

WELLESLEY COLLEGE

BULLETIN

CALENDAR

1918-1919

WELLESLEY, MASSACHUSETTS

JANUARY, 1919

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SERIES 8

NUMBER 1

THE WHITE HOUSE
WASHINGTON

My dear Mr. Secretary:

I am pleased to know that despite the unusual burdens imposed upon our people by the war they have maintained their schools and other agencies of education so nearly at their normal efficiency. That this should be continued throughout the war and that, in so far as the draft law will permit, there should be no falling off in attendance in elementary schools, high schools or colleges is a matter of the very greatest importance, affecting both our strength in war and our national welfare and efficiency when the war is over. So long as the war continues there will be constant need of very large numbers of men and women of the highest and most thorough training for war service in many lines. After the war there will be urgent need not only for trained leadership in all lines of industrial, commercial, social and civic life, but for a very high average of intelligence and preparation on the part of all the people. I would therefore urge that the people continue to give generous support to their schools of all grades and that the schools adjust themselves as wisely as possible to the new conditions to the end that no boy or girl shall have less opportunity for education because of the war and that the Nation may be strengthened as it can only be through the right education of all its people.

Cordially and sincerely yours,

WOODROW WILSON

HON. FRANKLIN K. LANE,
Secretary of the Interior.

WELLESLEY COLLEGE

CALENDAR

1918-1919

CORRESPONDENCE

All inquiries regarding admission should be addressed to the **Secretary** to the Board of Admission.

Applications for general information should be addressed to **Miss MARY CASWELL**. As Secretary of the Appointment Bureau, **Miss CASWELL** is also prepared to furnish full and confidential information in regard to the qualifications, character, and experience of former students of the College as candidates for teaching and other vocations. Former students of the College who wish situations have the aid of the Appointment Bureau.

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1918							1919							1920															
July				January				July				January				July				January									
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December							June							December							June								
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29	30	29	30	28	29	30	28	29	30		

CALENDAR

Academic Year 1918-1919

Examinations	September 16-19, 1918.
Academic year begins	Monday, September 23.
Holiday, Thanksgiving Day, November 28.	
Recess from 12.30 P. M. Wednesday, December 18, 1918, until 12.30 P. M. Wednesday, January 8, 1919.	
Registration closes for all students at 12.30 P. M. Wednesday, January 8.	
Second Semester begins	Monday, February 10.
Recess from 12.30 P. M. Friday, March 28, until 12.30 P. M. Tuesday, April 8.	
Registration closes for all students at 12.30 P. M. Tuesday, April 8.	
COMMENCEMENT	Friday, June 13.
ALUMNÆ DAY	Saturday, June 14.

Academic Year 1919-1920

Examinations	September 15-18, 1919.
Registration closes for new students at 10 P. M. Monday, September 15.	
Registration closes for all other students at 10 P. M. Friday, September 19.	
Halls of Residence open for new students at 9 A. M. Monday, September 15.	
Halls of Residence open for all other students at 2 P. M. Thursday, September 18.	
Academic year begins	Monday, September 22.
HOLIDAY, THANKSGIVING DAY, November 27.	
Recess from 12.30 P. M. Wednesday, December 17, 1919, until 12.30 P. M. Wednesday, January 7, 1920.	
Registration closes for all students at 12.30 P. M. Wednesday, January 7.	
Second Semester begins	Monday, February 9.
Recess from 12.30 P. M. Friday, March 26, until 12.30 P. M. Tuesday, April 6.	
Registration closes for all students at 12.30 P. M. Tuesday, April 6.	
COMMENCEMENT	Tuesday, June 15.
ALUMNÆ DAY	Wednesday, June 16.

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MARIAN ELIZABETH HUBBARD, B.S.,
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² Absent on Sabbatical leave, in foreign service.

³ Absent on Sabbatical leave.

⁴ Absent on Sabbatical leave in Government service.

⁵ Absent on Sabbatical leave in Government service for the first semester.

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⁶ Absent on leave.

⁷ Absent on leave for the second semester.

⁸ Absent on leave for the first semester.

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- EDWARD ELY CURTIS, Ph.D.,
Assistant Professor of History.

⁹ Absent on leave as exchange professor at Goucher College.

¹⁰ Resigned November, 1918.

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¹¹ Exchange professor from Goucher College.

* Absent on leave.

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Instructor in Economics.

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Instructor in Art.

¹⁰ Resigned November, 1918.

¹² Absent on leave for the first semester in foreign service.

¹³ Absent on leave in foreign service.

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Instructor in Rhetoric and Composition.

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Instructor in Biblical History.

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Instructor in Physics and Psychology.

¹⁴ Absent on leave in Government service.

¹³ Absent on leave in foreign service.

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Instructor in Chemistry.

EMMA LUELLA FISK, B.A.,
Instructor in Botany.

FRANCES MARION RALSTON,
Instructor in Musical Theory and Pianoforte.

WILLIAM HARDEN CHAPMAN, B.A.,
Instructor in Hygiene.

FLORENCE BEARD BRACQ, M.A.,
Instructor in French.

JOSEPH GOUDREAUULT,
Instructor in Vocal Music.

MARGARET ALGER HAYDEN, M.A.,
Instructor in Zoology.

MURRAY PHILIP HOROWITZ, M.S.,
Instructor in Botany.

JOSEPH LYONS SNIDER,¹⁵ B.A.,
Instructor in Economics.

MARY MAUD BELL, B.A.,
Instructor in Zoology.

ALICE VERNICE GAY,¹⁶
Instructor in Pianoforte.

MARGARET BANCROFT, M.A.,
Instructor in History.

MARTHE ALEXIA BOYER, C.A. (Lettres),
Instructor in French.

¹⁵ Appointed for the second semester only.

¹⁶ Appointed for the first semester only.

- MARY UNDERHILL, B.A.,
Instructor in Rhetoric and Composition.
- MARY BOWEN BRAINERD, PH.D.,
Instructor in English Literature.
- MARTHE PUGNY,
Instructor in French.
- ALICE THERESA COSEO, B.A.,
Assistant in Art.
- MARY AUGUSTA BEAN, B.A.,
Assistant in Mathematics.
- OLIVE GREENE, B.A.,
Assistant in Biblical History.
- JESSIE BUCHANAN,
Assistant in Music.
- REGINA EMMA STOCKHAUSEN, M.A.,
Assistant in Botany.
- LUCILE ROUSH, B.A.,
Assistant in Botany.
- MINNIE RUHMPOHL, B.A.,
Laboratory Assistant in Physics.
- PAULINE ADELAIDE SHOREY, B.A.,
Assistant in Botany.
- HARRIET PORTER,¹⁶ B.A.,
Laboratory Assistant in Physics.
- ALBERT PITTS MORSE,
Curator of Zoology Museum.
- SUSAN GREY AKERS, B.A.,
Librarian of Mary Hemenway Hall.
- ANNE TAYLOR CASWELL, B.A.,
Curator of Chemistry Laboratory.
- KATHARINE BULLARD DUNCAN,
Curator of Whitin Observatory.
- CELIA HOWARD HERSEY, B.A.,
Art Museum Assistant in Charge.
- EDITH JENNITT GRIMES, B.A.,
Curator of Botany Laboratories.

¹⁶ Appointed for the first semester only.

- EDWARD ERASTUS BANCROFT, M.A., M.D.,
Consulting Physician.
- MABEL AUSTIN SOUTHARD, M.D.,
Lecturer on Special Hygiene.
- ANNA WHITE DEVEREAUX,
Lecturer on the Theory and Practice of the Kindergarten.
- ELIZA JACOBUS NEWKIRK,¹⁷ M.A.,
Lecturer in History of Architecture.
- LUDWIG REINHOLD GEISSLER, PH.D.,
Lecturer in Psychology.
- EARL AUGUSTUS ALDRICH, M.A.,
Lecturer in English Literature.
- R. F. ALFRED HOERNLÉ,¹⁵ M.A.,
Lecturer in Logic.
- EDITH HARRIET MOORE,¹⁵ M.A.,
Lecturer in the History of Architecture.
- CHARLES HYDE WARREN, PH.D.,
Lecturer in Mineralogy.
- HERBERT WILBUR RAND,¹⁵ C.E., PH.D.,
Lecturer in Zoology.
- ETHEL DANE ROBERTS, B.A., B.L.S.,
Librarian.
- ANTOINETTE BRIGHAM PUTNAM METCALF, M.A.,
Associate and Reference Librarian.
- LILLA WEED, M.A.,
Associate Librarian.
- HELEN MOORE LAWS, B.A.,
Cataloguer.

TERESA COHEN, PH.D.,
Alice Freeman Palmer Fellow.

¹⁷ Absent on leave for second semester in foreign service.

¹⁵ Appointed for the second semester only.

OFFICERS OF ADMINISTRATION

ELLEN FITZ PENDLETON, M.A., LITT.D., LL.D.,
PRESIDENT.

ALICE VINTON WAITE, M.A.,
DEAN.

Professor of English Language and Literature.

KATHARINE PIATT RAYMOND, B.S., M.D.,
Resident Physician.

EDITH SOUTHER TUFTS, M.A.,
Registrar.

MARY CASWELL,
Secretary to the President.

MARY FRAZER SMITH, B.A.,
College Recorder.

MARIE LOUISE STOCKWELL, B.A.,
Assistant Secretary to the President.

FRANCES LOUISE KNAPP, B.A.,
Secretary to the Board of Admission.

MARIAN GIBBS MILNE, B.A.,
Secretary to the Dean.

BERTHA LYDIA CASWELL,
Purchasing Agent.

EVELYN AMELIA MUNROE, B.A.,
Cashier.

CHARLOTTE SCOTT WHITON,
Purveyor.

MARY SNOW,
Head of Washington House.

HELEN WILLARD LYMAN, B.A.,
Head of Stone Hall.

EVA FANNY SWIFT,⁶
Head of Crofton House and Ridgeway Refectory.

⁶ Absent on leave.

HARRIET LESTER,
Head of Shafer Hall.

MABEL PRIEST DANIEL, B.A.,
Head of Cazenove Hall.

JULIA WOODHULL SMITH,
Head of Wilder Hall.

EFFIE JANE BUELL,
Head of Pomeroy Hall.

CHARLOTTE HENDERSON CHADDERDON,
Head of Clafin Hall.

ELIZABETH BURROUGHS WHEELER,
Head of Eliot House.

KATHARINE HARRIS,
Head of Freeman House.

EMILIE LOUISE EASTMAN,
Head of Fiske House.

FANNIE PADDOCK MILLER,
Head of the Elms and Joslin House.

EVA GERTRUDE JONES,
Head of Webb House.

ALICE LILLIAN McGREGOR,
Head of Beebe Hall.

ALICE VARNEY WARD,
Head of Tower Court.

MARTHA FAY CLARKE,
Head of Leighton House.

MARY HUBBARD MORSE RICHARDSON,
Head of the Homestead.

JESSIE ANN ENGLES,
Head of Crofton House and Ridgeway Refectory.

JOSEFA VICTORIA RANTZIA STALLKNECHT,
Head of Lovewell House.

VIOLA FLORENCE SNYDER,
Head of Noanett House.

ADALINE FOOTE HAWLEY, B.A.,
Head of the Birches.

ELVIRA GENEVIEVE BRANDEAU,
Head of Wood House.

MARY FOGG,
Head of Harris House.

FRANCES RAYNOR MEAKER,
Head of Norumbega House.

FLORENCE IRENE TUCKER, B.A.,
Assistant to the Cashier.

LEILA BURT NYE,
Manager of Post Office.

AMY HARDING NYE,
Assistant to the Registrar.

HENRY HERBERT AUSTIN, B.S.,
Superintendent of the College Plant.

FREDERICK DUTTON WOODS, B.S.,
Superintendent of Grounds.

STANDING COMMITTEES

BOARD OF ADMISSION.—Misses Chapin, Smith-Goard, Walton (*Chairman*), Young; the Dean *ex officio*.

COMMITTEE ON GRADUATE INSTRUCTION.—Misses Ferguson, Hawes, Hibbard, Hubbard, Kendrick, McKeag (*Chairman*); the Dean *ex officio*.

LIBRARY COMMITTEE.—Misses Roberts (*Chairman*), Bushee, Calkins, Sherwood; Mrs. Hodder; Mr. Duncan; the President and Librarians *ex officio*.

COMMITTEE ON INSTRUCTION.—Dean Waite (*Chairman ex officio*), Misses McDowell, Snow, Wipplinger, Youngman; Messrs. Norton, Perdriau.

COMMITTEE ON ACADEMIC REQUESTS.—Dean Waite (*Chairman ex officio*), Misses Batchelder, Bragg, Dutcher, Edwards, Fisher; Mr. Tucker.

COMMITTEE ON CONSTITUTIONS.—Misses French, Wood (*Chairman*); Mr. Curtis.

FACULTY MEMBERS IN SENATE OF COLLEGE GOVERNMENT ASSOCIATION.—President Pendleton, *ex officio*; Misses Hart, Lanier, Manwaring; Mr. Sheffield.

WELLESLEY COLLEGE**Wellesley, Massachusetts****FOUNDATION AND PURPOSE**

WELLESLEY COLLEGE was established for the purpose of furnishing to young women who desire to obtain a liberal education such advantages and facilities as are enjoyed in institutions of the highest grade. The first building of the College, erected and equipped under the supervision and through the personal means of the founder, was opened to students in 1875, with the announced purpose "of giving to young women opportunities for education equivalent to those usually provided in colleges for young men." Throughout his work the founder aimed to put into visible form his ideal of the higher education for women, "the supreme development and unfolding of every power and faculty."

By the charter, granted by the Commonwealth of Massachusetts, "the corporation of Wellesley College is authorized to grant such honorary testimonials, and confer such honors, degrees, and diplomas, as are granted or conferred by any University, College, or Seminary of learning in this Commonwealth; and the diplomas so granted shall entitle the possessors to the immunities and privileges allowed, by usage or statute, to the possessors of like diplomas from any University, College, or Seminary of learning in this Commonwealth."

In accordance with the spirit of the founder, the College is undenominational, but distinctively Christian in its influence, discipline, and instruction.

The members of the College meet daily for morning prayers in the beautiful chapel presented in 1899 by Miss Elizabeth G. Houghton and Mr. Clement S. Houghton as a memorial to their father. Services on Sunday are conducted in this chapel by preachers of different denominations. At all these services and at vespers on Sunday, the singing is led by a trained choir of students under the direction of the professor of music.

The Wellesley College Christian Association, organized to foster religious life and interest in social reforms and in home and foreign missions, meets weekly for prayer and religious instruction.

The department of Biblical History affords the systematic study of the Bible required of all students.

ADMISSION

Applications for admission should be made upon forms which will be furnished by the Secretary to the Board of Admission on request. An application fee of ten dollars is required from all candidates for admission, and no application is recorded until this fee is received (see page 148). It is desirable that applications should be made several years in advance, since the date of application is used as a basis in assigning rooms in College houses. Moreover, since the number of new students admitted is limited by the capacity of lecture rooms, it is necessary to close the application list for any given year at a date which varies from year to year. Candidates are liable to find the application list closed if they do not make their applications more than a year in advance of the time at which they propose to enter.

ADMISSION TO THE FRESHMAN CLASS

Students are admitted by examination (see page 46) or by the New Plan (see pages 48 to 50).

Every candidate for a degree must offer for admission to the freshman class subjects amounting to fifteen "units." The units assigned to the subjects indicate the number of years, with five recitations a week, which will normally be required in the secondary school to make adequate preparation.

A place on the list of candidates for admission will not be reserved for an applicant whose credentials filed in July do not satisfactorily cover twelve of the fifteen units required for admission. The Board of Admission requires examination in September in all units not satisfactorily covered, and reserve the right to exclude any candidate whose preparation is in their judgment so defective as to debar her from carrying successfully the work of the freshman year.

Of the fifteen "units" required for admission eleven are prescribed as follows:—

English	3 units*
History	1 unit
Latin	4 units
Mathematics	3 units

The remaining four units may be distributed in any one of the three following ways:—

1. 3 units in French or German or Greek
combined with

1 unit in one of the following subjects:—

Botany.
Chemistry.
Greek.
† History.
Music.
Physics.

2. 2 units each in two of the following subjects:—

French.
German.
Greek.
Spanish.

3. 2 units in French or German or Greek or Spanish
combined with

2 units made up of 1 unit each in two of the following
subjects:—

Botany.
Chemistry.
Greek.
† History.
Music.
Physics.

The admission subjects are divided into two groups, as follows:—

PRELIMINARIES: French 3 unit requirement (except Prose Composition and the use of the spoken language), German 3 unit requirement (except Prose Composition and the use of the spoken language), Greek 3 unit requirement (except Prose Composition), History (prescribed unit), Latin (ex-

* See page 28.

† See page 34.

cept Prose Composition), Plane Geometry. Examinations in Preliminaries may be taken at any time during the college preparatory course.

FINALs: Algebra, Botany, Chemistry, English, French (2 unit requirement, the Prose Composition and the use of the spoken language of the 3 unit requirement), German (2 unit requirement, the Prose Composition and the use of the spoken language of the 3 unit requirement), Greek (1 unit requirement, 2 unit requirement, the Prose Composition of the 3 unit requirement), History (second unit), Latin Prose Composition, Music, Physics, Spanish (2 unit requirement). Examinations in Finals may be taken at any time during the last two years before admission, *provided at least three are taken during the last year. Candidates are advised to take English Composition and Algebra in the last year.*

A candidate for admission must be at least sixteen years of age, and must present satisfactory evidence of good moral character and good health. A statement from the applicant's physician to the effect that she is organically sound and in good health, together with a certificate of vaccination must be filed with the Secretary to the Board of Admission before June first of the year in which admission is sought. Each candidate before she is formally accepted is given a thorough physical examination. The College reserves the right to reject any candidate if the results of this examination in the opinion of the medical staff justify such action or to accept the candidate only on the understanding that she will take five years to complete the course.

The student who has met all entrance requirements is qualified for immediate matriculation for the Baccalaureate degree in Arts. All communications concerning admission should be addressed to the Secretary to the Board of Admission, Wellesley College, Wellesley, Mass.

DEFINITION OF REQUIREMENTS

The number enclosed in parentheses following the subject indicates the number of units assigned to that subject; that is, the number of years with five recitations a week which will normally be required in the secondary school for adequate preparation in the subject.

ENGLISH (3)

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation, and the development of the habit of reading good literature with enjoyment.

Grammar and Composition.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from her reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in her recitations and various exercises, whether oral or written.

To meet the requirement in Composition, there should be practice in writing equivalent to weekly themes the first two years, and fortnightly themes the last two years of the preparatory course. Themes should be accompanied by simple outlines. The following books are suggested: Scott and Denney's *Composition—Rhetoric*; Neal's *Thought Building in Composition*; Robins and Perkins's *Introduction to the Study of Rhetoric* supplemented by Herrick and Damon's *Composition and Rhetoric*; Shackford and Judson's *Composition—Rhetoric—Literature*.

Literature.

The second object is sought by means of the reading and study of a number of books, from which may be framed a progressive course in literature covering four years. The student should be trained in reading aloud and be encouraged to commit to memory notable passages both in verse and in prose. As an aid to literary appreciation, she is further advised to acquaint herself with the most important facts in the lives of the authors whose works she reads and with

their place in literary history. A few of these books should be read with special care, greater stress being laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

Examinations.

Two types of examination are now offered to candidates for admission: (1) the ordinary examination, divided into two parts; (2) the comprehensive examination covering both composition and literature in one paper. Whichever type is taken, no paper will be considered satisfactory, however accurate in subject-matter, if seriously defective in punctuation, spelling, or other essentials of good usage.

Ordinary Examinations.

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from her personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make her own selections. She will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:—

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under *A*, Reading, below. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which she was prepared; but this list will not be made the basis of detailed questions.

B. A test on the books prescribed for study, which will consist of questions upon their content, form, and structure,

and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

Comprehensive Examination.

The purpose of this examination will be to test the ability of the candidate to write clearly and correctly, and to show that she has read, understood, and appreciated a sufficient amount of English literature. Success in the examination will not necessarily depend upon a candidate's knowledge of technical points in grammar and rhetoric or of the subject-matter of particular books; the paper will contain some questions that cannot be answered except by candidates who are able to apply what they have learned to unexpected problems. From the following list of recommended reading, books should be chosen for use in preparing for this examination.

Except for students entering under the "New Plan," the final examinations in English must be taken in accordance with the regulation for examination in "Finals." See page 27.

A. Reading.

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving her a first-hand knowledge of some of its best specimens. She should read the books carefully, but her attention should not be so fixed upon details that she fails to appreciate the main purpose and charm of what she reads.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group I.

Texts for 1918 to 1922 and for Comprehensive Examinations

Group I (Classics in Translation). 1918-1919 and Comprehensive: The *Old Testament*, comprising at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*. The *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII. The *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI. The *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

(For any selection from this group a selection from any other group may be substituted.)

1920-1922: as above with the omission of the *Iliad*, and the addition of Book XVII of the *Odyssey*.

Group II (Drama). 1918-1919 and Comprehensive: *Midsummer Night's Dream*, *Merchant of Venice**, *As You Like It**, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, *Julius Caesar**†, *Macbeth*†, *Hamlet*†. Additional for Comprehensive: *Everyman*; Goldsmith, *She Stoops to Conquer*; Sheridan, *The Rivals*.

1920-1922: only the plays starred in above list.

Group III (Prose Fiction). 1918-1919 and Comprehensive: Malory, *Morte d'Arthur* (about 100 pages); Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe, *Robinson Crusoe*, Part I; Goldsmith, *Vicar of Wakefield*; Frances Burney, *Evelina*; Scott's Novels, any one; Jane Austen's Novels, any one; Maria Edgeworth, *Castle Rackrent* or *The Absentee*; Dickens's Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Mrs. Gaskell, *Cranford*; Kingsley, *Westward Ho!* or *Hereward, the Wake*; Reade, *The Cloister and the Hearth*; Blackmore, *Lorna Doone*; Hughes, *Tom Brown's Schooldays*; Stevenson's *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels, any one; Poe, *Selected Tales*; Hawthorne, *The House of the Seven Gables*, or *Twice Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

Additional or specified for Comprehensive: *The Books of Merlin and Sir Balin* from Malory's *Morte d'Arthur*; Scott, *Ivanhoe*, and *Quentin Durward*; Dickens, *A Tale of Two Cities*; Thackeray, *Henry Esmond*; George Eliot, *Silas Marner*; Reade, *Griffith Gaunt*; Stevenson, *Dr. Jekyll and Mr. Hyde*; Cooper, *The Spy*, *The Last of the Mohicans*; Kipling, *Kim*, *Captains Courageous*, *Jungle Books*.

1920-1922: Dickens, *A Tale of Two Cities*; George Eliot, *Silas Marner*; Scott, *Quentin Durward*; Hawthorne, *The House of the Seven Gables*.

Group IV (Essays, Biography, etc.). 1918-1919: Addison and Steele, *The Sir Roger de Coverley Papers**, or selections from the *Tatler* and the *Spectator* (about 200 pages); Boswell, selections from the *Life of Johnson* (about 200 pages); Franklin, *Autobiography*; Irving, selections from the *Sketch Book** (about 200 pages), or *Life of Goldsmith*; Southey, *Life of Nelson*; Lamb, selections from the *Essays of Elia* (about 100 pages); Lockhart, selections from the *Life of Scott* (about 200 pages); Thackeray, lectures on *Swift*, *Addison*, and *Steele* in the *English Humorists*; Macaulay, any one of the following essays: *Lord Clive**, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederick the Great*, *Madame d'Arblay*; Trevelyan, selections from the *Life of Macaulay* (about 200 pages); Ruskin, *Sesame and Lilies* or selections (about 150 pages); Dana, *Two Years before the Mast*; Lincoln, selections, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Ad-

* If not chosen for study under B.

dress, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman, *The Oregon Trail**; Thoreau, *Walden*; Lowell, *Selected Essays* (about 150 pages); Holmes, *The Autocrat of the Breakfast Table*; Stevenson, *An Inland Voyage and Travels with a Donkey*; Huxley, *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of *Letters* by various standard writers.

Comprehensive: as above with the omission of Irving, *The Sketch Book*; and the addition of Macaulay, *Life of Johnson*, *Two Speeches on Copyright*, *History of England, Chapter III*; Lincoln, *Speech at Cooper Union*; Washington, *Farewell Address*; Burke, *Speech on Conciliation with America*; Carlyle, *Essay on Burns*; Webster, *First Bunker Hill Oration*; Emerson, *Manners, Self-Reliance*; Burroughs, *Selected Essays*; Warner, *In the Wilderness*; Curtis, *Prue and I, Public Duty of Educated Men*; Hudson, *Idle Days in Patagonia*; Clemens, *Life on the Mississippi*; Riis, *The Making of an American*; Bryce, *The Hindrances to Good Citizenship*.

1920-1922: only the books starred in the above list.

Group V (Poetry). 1918-1919 and Comprehensive: Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith, *The Traveller* and *The Deserted Village*; Pope, *The Rape of the Lock*; a collection of English and Scottish Ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Berwick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge, *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron, *Childe Harold, Canto III or IV*, and *The Prisoner of Chillon*; Scott, *The Lady of the Lake*, or *Marmion*; Macaulay, *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson, *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning, *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, "De Gustibus," *The Pied Piper*, *Instans Tyrannus*; Arnold, *Sohrab and Rustum*, and *The Forsaken Merman*; Selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow, and Whittier.

Additional for Comprehensive: Milton, *L'Allegro*, *Il Penseroso*, *Comus*, *Lycidas*; Tennyson, *The Coming of Arthur*, *The Holy Grail*; Arnold, *Balder Dead*; American Poets, Bryant and Holmes.

1920-1922: The poems of Browning in above list and Tennyson: *The Coming of Arthur*, *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Scott, *The Lady of the Lake*; Coleridge, *The Ancient Mariner*; and Arnold, *Sohrab and Rustum*.

B. Study.

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups from each of which one selection is to be made.

Texts for 1918 and 1919

Group I (Dramatic Poetry). Shakespeare, *Julius Cæsar*, *Macbeth* *Hamlet*.

Group II (Epic and Lyric Poetry). Milton, *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson, *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; The selections from Wordsworth, Keats, and Shelley in *Book IV* of Palgrave's *Golden Treasury* (*First Series*).

Group III (Oratory). Burke, *Speech on Conciliation with America*, Macaulay's two *Speeches on Copyright* and Lincoln's *Speech at Cooper Union*, Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

Group IV (Essays). Carlyle, *Essay on Burns*, with a selection from Burns's *Poems*; Macaulay, *Life of Johnson*; Emerson, *Essay on Manners*.

Texts for 1920, 1921, and 1922

Group I (Dramatic Poetry). Shakespeare, *Macbeth*, *Hamlet*.

Group II (Epic and Lyric Poetry). Milton, *L'Allegro*, *Il Penseroso*, and *Comus*; Palgrave's *Golden Treasury* (*First Series*), *Book IV*, with special attention to Wordsworth, Keats, and Shelley.

Group III (Oratory). Burke, *Speech on Conciliation with America*; Washington's *Farewell Address*; Webster's *First Bunker Hill Oration*, and Lincoln's *Gettysburg Address*.

Group IV (Essays). Macaulay, *Life of Johnson*; Carlyle, *Essay on Burns*, with a brief selection from Burns's *Poems*.

HISTORY (1 or 2)**Prescribed Unit**

A full year course in *one* of the following subjects:—

(1) Ancient History, including a brief introductory study of the earlier nations, but with special emphasis on Greek History to the death of Alexander, and on Roman History to the accession of Commodus.

(2) English History, with due regard to social and political development.

(3) American History, with the elements of Civil Government.

Candidates are advised to offer the course in Ancient History as a part of their preparation.

In the subject chosen, the student should acquire accurate knowledge of the history as presented in a standard text-book of not less than 300 pages, and should read such fuller authorities as may be available, in amount not less than 500 pages. Some practice in drawing maps to illustrate territorial changes, in making digests of lectures and reading, and in preparing verbal or written reports on subjects assigned for individual investigation is essential to successful work.

Elective Unit

A candidate may offer one of these three subjects as a second unit in History in place of the one unit requirement in Greek, Music, or Science, provided that one of the two units offered is Ancient History, and that the work for the second unit is done during the last two years of the preparatory course.

Except for students entering under the "New Plan," the final examination in the second unit in History must be taken in accordance with the regulation for examination in "Finals." See page 27.

MATHEMATICS (3)

Algebra.—Factors, Common Divisors and Multiples, Ratio and Proportion, Theory of Exponents including Imaginaries, Radicals and Equations involving Radicals, Inequalities, Quadratic Equations (including the theory), Binomial Theorem, Arithmetic and Geometric Progressions.

Except for students entering under the "New Plan," the final examination in Algebra must be taken in accordance with the regulation for examination in "Finals." See page 27.

Plane Geometry.—As found in Chauvenet, or its equivalent.

Deficiency in preparation usually results from one or more of the following causes: the use of text-books which are too elementary, insufficient time spent in preparation, neglect of exercises in original demonstration in Geometry, and of reviews in both Algebra and Geometry. It is strongly urged that there be constant exercise in original demonstration in Geometry, with frequent written examinations in both Algebra and Geometry, the problems proposed being drawn from other sources than the text-books.

LATIN (4)

Candidates should be familiar with the forms and syntax of the language and possess a vocabulary sufficient to translate Latin into idiomatic English and English into correct Latin. They should also be able to translate at sight Latin prose and poetry of moderate difficulty and to read Latin prose and verse according to the Roman method of pronunciation

with strict attention to vowel quantities. To attain such proficiency not less than five forty-minute periods a week for four years should be given to the study of Latin. The amount of prepared reading should not be less than four books of Cæsar's Gallic War, seven Orations of Cicero (counting the Manilian Law as two) and six books of Vergil's *Æneid*. The reading may be selected from other works of the above authors or Nepos, Sallust and Ovid, but must include the *pro Archia* and two other Orations of Cicero and two books of the *Æneid*.

It is of special importance that practice in writing easy Latin *at sight* should be continued *throughout the entire period of preparation* in connection with the reading of the Latin authors. In the last year special attention should be given to translating continuous English into Latin both in the prepared and sight work.

Those who enter by the ordinary examinations of the College Entrance Examination Board will take 4, 5, and 6. The scope of the examinations will include:

(1) **Translation at Sight.** Candidates will be examined in translation at sight of both prose and verse.

(2) **Prescribed Reading.** Candidates will be examined upon the following prescribed reading: Cicero's Orations in behalf of the Manilian Law and of Archias and Vergil's *Æneid* I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody.

(3) **Grammar and Composition.** Candidates will be examined upon the equivalent of Latin 6 under the College Entrance Examination Board.

Except for students entering under the "New Plan," the final examination in Prose Composition must be taken in accordance with the regulation for examination in "Finals." See page 27.

Suggestions Concerning Preparation

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded, and from the form and

the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practiced.

The work in composition should give the student a better understanding of the Latin she is reading at the time, and greater facility in reading.

The teachers of Latin in the preparatory schools are urged to insist upon the use of good English in translation.

The study of Greek is strongly recommended to candidates who plan to elect courses in Latin in college.

Ability to read at sight easy French or German prose is of great advantage to all classical students.

GREEK (1 or 2 or 3)

3 Unit Requirement

Grammar. *The etymology must be thoroughly mastered.*

Prose Composition. At least forty written exercises based upon the Greek of Xenophon, including connected passages and accompanied by a systematic study of the main principles of syntax.

Except for students entering under the "New Plan," the final examination in Prose Composition must be taken in accordance with the regulation for examination in "Finals." See page 27.

Xenophon, *Anabasis*, three books.

Homer, *Iliad*, three books, with scansion.

Candidates must be prepared to translate at sight both Attic and Homeric Greek of average difficulty, and to write in Greek a connected passage based upon Xenophon.

Particular attention should be given to the correct writing of Greek with the accents, to exercises both oral and written, and to the use of the blackboard for constant practice upon forms and constructions.

2 Unit Requirement

Grammar. Systematic study of etymology and of the main principles of Attic Greek syntax. Constant practice in oral and written translation from English into Greek.

Prose Composition. At least twenty written exercises based upon the Greek read, including connected passages.

Xenophon, *Anabasis*. Three books, or an equivalent amount in selections from Attic prose writers of average difficulty.

Except for students entering under the "New Plan," the final examination in the 2 unit requirement in Greek must be taken in accordance with the regulation for examination in "Finals." See page 27.

1 Unit Requirement

Systematic study of etymology from a standard grammar in connection with a book of First Lessons. *Anabasis*, about thirty pages. Practice in writing Greek.

Except for students entering under the "New Plan," the final examination in the 1 unit requirement in Greek must be taken in accordance with the regulation for examination in "Finals." See page 27.

The teachers of Greek in the preparatory schools are urged to insist upon the use of good English in translation.

Ability to read at sight easy French or German prose is of great advantage to all classical students.

FRENCH (2 or 3)

The requirements follow the recommendations of the Modern Language Association embodied in Document No. 91 of the College Entrance Examination Board.

See pages 39, 40 for suggestions concerning preparation in the case of students expecting to enter Wellesley College.

2 Unit Requirement

(Termed "A, Elementary," by the College Entrance Examination Board.)

THE AIM OF THE INSTRUCTION

At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

THE WORK TO BE DONE

During the first year the work should comprise:—

- (1) Careful drill in pronunciation.
- (2) The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax.
- (3) Abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.
- (4) The reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English) and in reproducing from memory sentences previously read.

(5) Writing French from dictation.

During the second year the work should comprise:—

- (1) The reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches.
- (2) Constant practice, as in the previous year, in translating into French easy variations upon the texts read.
- (3) Frequent abstracts, sometimes oral and sometimes written, of portions of the text already read.
- (4) Writing French from dictation.
- (5) Continued drill upon the rudiments of grammar, with constant application in the construction of sentences.
- (6) Mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Except for students entering under the "New Plan," the final examination in the 2 unit requirement in French must be taken in accordance with the regulation for examination in "Finals." See page 27.

3 Unit Requirement

(Termed "*B*, Intermediate," by the College Entrance Examination Board.)

THE AIM OF THE INSTRUCTION

At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

THE WORK TO BE DONE

This should comprise the reading of from 400 to 600 pages* of French of ordinary difficulty, a portion to be in the dramatic form†; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.†

Except for students entering under the "New Plan," the final examination in the 3 unit requirement in French must be taken in accordance with the regulation for examination in "Finals." See page 27.

Suggestions Concerning Preparation for the 2 and 3 Unit Requirements

1. Emphasis should be laid on the correct daily use of the spoken language in the class room, on the correct and intelligent reading of French (apart from translation) and on direct composition, including the writing of short themes in French.

2. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded, and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the work that the student has to do.

3. It is particularly urged that the reading be chosen from *nineteenth century writers of prose, verse, and drama*, and if possible from more than five authors.

The texts suggested are:—

(1) For the 2 unit requirement: Laboulaye: *Contes bleus*; Daudet: *Trois Contes Choisirs*; France: *Abeille*; Malot: *Sans Famille*; de la Brète: *Mon Oncle et Mon Curé*; Enault: *Le Chien du Capitaine*; Legouvé et

* *i. e.*, In addition to the 2 unit requirement.

† A part of this may be critical reading, a part rapid or outside reading.

† From texts not previously memorized.

Labiche: *La Cigale chez les Fourmis*; Daudet: *Choix d'Extraits, or Le Petit Chose*; Vigny: *La Canne de Jonc*; Augier: *Le Gendre de M. Poirier*; Foncin: *Le Pays de France*, or Lavisson: *Histoire de France, II^e année* (Armand Colin, Paris).

(2) For the 3 unit requirement: Lamartine: *Scènes de la Révolution française*; Maupassant: *Huit Contes Choisis*; About: *Le Roi des Montagnes*; Balzac: *Le Curé de Tours*; Colin: *Contes et Saynètes*; Colin: *Advanced Sight Translation*; Sandau: *Mlle. de la Seiglière*; Scribe et Legouvé: *Bataille de Dames*.

GERMAN (2 or 3)

The requirements follow the recommendations of the Modern Language Association embodied in Document No. 91 of the College Entrance Examination Board.

See pages 41 and 42 for suggestions concerning preparation in the case of students expecting to enter Wellesley College.

2 Unit Requirement

(Termed "A, Elementary," by the College Entrance Examination Board.)

During the first year the work should comprise:—

(1) Careful drill upon pronunciation.

(2) The memorizing and frequent repetition of easy colloquial sentences.

(3) Drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order.

(4) Abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.

(5) The reading of from 75 to 100 pages* of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise:—

(1) The reading of from 150 to 200 pages* of literature in the form of easy stories and plays.

* See "Suggestions Concerning Preparation," on pages 41, 42.

(2) Accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages.

(3) Continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use her knowledge with facility in the formation of sentences, and, secondly, to state her knowledge correctly in the technical language of grammar.

Except for students entering under the "New Plan," the final examination in the 2 unit requirement in German must be taken in accordance with the regulation for examination in "Finals." See page 27.

3 Unit Requirement

(Termed "*B*, Intermediate," by the College Entrance Examination Board.)

THE WORK TO BE DONE

The work should comprise in addition to the elementary course,† the reading of about 400 pages* of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

Except for students entering under the "New Plan," the final examination in the 3 unit requirement in German must be taken in accordance with the regulation for examination in "Finals." See page 27.

Suggestions Concerning Preparation for the 2 and 3 Unit Requirements

1. The books selected for class study should be thoroughly *German* in character and content. Intensive work on a comparatively small number of pages is preferred to a more superficial study of a larger number of pages.

For the 2 unit requirement the number of pages read in class should, in general, not exceed 300; but in no case should the amount be less than 225 pages. Not more than 100 of these pages should be taken from readers arranged especially for beginners.

For the 3 unit requirement not more than 600 pages in all (*i. e.*, 300 in addition to the maximum amount for the 2 unit requirement) should, in

* See "Suggestions Concerning Preparation," on pages 41, 42.

† That is, the 2 unit requirement.

general, be read; but never less than 500 pages. Not more than one work of the classical period of German Literature should be included. Besides this intensive reading, some *rapid home reading* of easier texts (100 pages or more) is strongly urged.

2. The results desired can *not* be obtained if a considerable portion of the time is spent on translation from German into English, or vice versa.

3. Features that should not be neglected are:—

a. Vocabulary.—The careful study of a goodly number of common words and expressions drawn chiefly from the texts read.

b. Frequent practice in the oral and written use of the language *without the medium of English*. This should consist partly in answering in German questions put in German, based on all the texts read intensively in class, partly in reproducing in German, without the aid of questions, the contents of these texts (Freie Reproduktion).

SPANISH (2)

The requirements follow the recommendations of the Modern Language Association embodied in Document No. 91 of the College Entrance Examination Board.

See page 43 for suggestions concerning preparation in the case of students expecting to enter Wellesley College.

THE AIM OF THE INSTRUCTION

At the end of the elementary course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as indicated below.

THE WORK TO BE DONE

During the first year the work should comprise:

(1) Careful drill in pronunciation.

(2) The rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives and pronouns and the elementary rules of syntax.

(3) Exercises containing illustrations of the principles of grammar.

(4) The careful reading and accurate rendering into good English of about 100 pages of easy prose and verse, with translation into Spanish of easy variations of the sentences read.

(5) Writing Spanish from dictation.

During the second year the work should comprise:

(1) The reading of about 200 pages of prose and verse.

(2) Practice in translating Spanish into English, and English variations of the text into Spanish.

(3) Continued study of the elements of grammar and syntax.

(4) Mastery of all but the rare irregular verb forms and of the simpler uses of the modes and tenses.

(5) Writing Spanish from dictation.

(6) Memorizing of easy short poems.

The emphasis should be placed on careful, thorough work with much repetition rather than upon rapid reading.

Suggestions Concerning Preparation

1. Grammar. In addition to the verb drill, the following points should be emphasized: difference between *ser* and *estar*; use and position of pronouns; prepositions required with different verbs and adjectives; use of subjunctive and infinitive.

2. In reading, two ideas should be kept in mind: (a) accurate translation especially of idiomatic expressions: (b) a gradual development of the power to think in Spanish, by requiring the student to explain the meaning of words and phrases in Spanish and give variations of text also in Spanish.

3. From the beginning the student should gradually become accustomed to the use of the spoken language in the class room, training the ear by means of short talks on different subjects given by the teacher and the tongue by the different methods already suggested. Original work in composition should also be required.

The texts suggested are:—

A collection of easy short stories and lyrics carefully graded; Pérez Escrich, *Fortuna*; Ramos Carrión y Vital Aza, *Zaragüeta*; *Tres Comedias Modernas*; Pedro de Alarcón, *El Capitán Veneno*; Juan Valera, *El pájaro verde*; Palacio Valdés, *José*; José Selgas, *La mariposa blanca*; Carolina Marcial Dorado, *España Pintoresca*; the selected short stories of Pedro de Alarcón or Antonio de Trueba.

Except for students entering under the "New Plan" the final examination in Spanish must be taken in accordance with the regulation for examination in "Finals." See page 27.

BOTANY (1)

The requirement may be met in one of two ways.

A. By the course outlined in the Report of the College Entrance Examination Board, Document No. 91.

The course should cover:—

(1) The general principles of plant anatomy, morphology, physiology, and ecology.

(2) A general knowledge of the great groups or phyla of plants.

In the second part of the course students should not only become familiar with the primary subdivisions of the great groups, but should be able to trace the evolution of plant forms by means of a comparative study of representative plants in the various groups.

B. By covering the main features in the course as outlined in the Laboratory Guide for the Introductory Course in Wellesley College. Copies of these Guides may be secured if desired through the office of the Board of Admission of Wellesley College.

Individual laboratory work by the students is essential and should receive at least double the amount of time given to lecture and recitation. Records of the laboratory work, properly certified by the teacher, in which stress is laid upon diagrammatically accurate drawing and precise expressive description, must be presented on or before June fifteenth.

Except for students entering under the "New Plan," the final examination in Botany must be taken in accordance with the regulation for examination in "Finals." See page 27.

CHEMISTRY (I)

The requirement is met by the course outlined in the Report of the College Entrance Examination Board, Document No. 91.

The student should perform experiments in the laboratory to illustrate the properties of the most important elements, both metallic and non-metallic, and their compounds, and it is strongly recommended that a few of these experiments should be of a quantitative nature. Work in qualitative analysis is not recommended.

When the student offers Chemistry as one of the four examinations under the "New Plan," she will be required to present notebooks of laboratory work. These notebooks must be *indexed* and bear the endorsement of the teacher, certifying that the notes are a true record of the student's work, and must be presented on or before June fifteenth.

Except for students entering under the "New Plan," the final examination in Chemistry must be taken in accordance with the regulation for examination in "Finals." See page 27.

PHYSICS (I)

The requirement is met by the course outlined in the Report of the College Entrance Examination Board, Document No. 91. When the student offers Physics as one of the four examinations under the "New Plan," she will be required to present notebooks of laboratory work. These notebooks must be *indexed* and bear the endorsement of the teacher, certifying that the notes are a true record of the student's work, and they must be presented on or before June fifteenth.

Except for students entering under the "New Plan," the final examination in Physics must be taken in accordance with the regulation for examination in "Finals." See page 27.

MUSIC (I)

The requirement in Music (Harmony) is met by Music *B* (Harmony) outlined in the Report of the College Entrance Examination Board, Document No. 91.

THE WORK TO BE DONE

Knowledge of the following chords is required, viz:—

All the triads in the major key.

All the triads in the minor key.

The inversions of all triads.

The dominant seventh chord and its inversions.

The diminished seventh chord and its inversions.

Knowledge of all scales, major, minor (harmonic and melodic), and chromatic, with their proper notation.

Knowledge of the proper way of making a manuscript.

(See "How to Write Music" by Harris, published by the H. W. Gray Co., New York.)

Knowledge of figured bass.

This will be demonstrated by adding Soprano, Alto, and Tenor to a given figured bass.

NOTE.—Students who have never studied Figured Bass will be given an Unfigured Bass to harmonize.

Knowledge of harmonizing a melody.

This will be tested by harmonizing a given melody, adding Alto, Tenor, and Bass.

Emphasis should be placed on the harmonization of melody.

Except for students entering under the "New Plan," the examination in Music must be taken in accordance with the regulation for examination in "Finals." See page 27.

ADMISSION BY EXAMINATION
JUNE EXAMINATIONS

Candidates must take all examinations in June, except such as, by permission, may be postponed until September.

The admission examinations conducted at Wellesley College in June are the examinations of the College Entrance Examination Board, of which Wellesley College is a member. These examinations will be held June 16-21, 1919.

The College Entrance Examination Board will furnish a list of places at which these examinations will be held.

Below will be found the list of examinations of the College Entrance Examination Board, corresponding to the requirements for admission to Wellesley College.

SUBJECT	NO. OF UNITS	COLLEGE BOARD EXAMINATIONS	
		Ordinary	Comprehensive
English	3	1 and 2	Cp.
History	1	A or C or D	Cp. Ancient or English or American
	2	A with C or D*	Cp. Ancient with English or American
Mathematics	3	A and C	Cp. 3
Latin	4	4, 5 and 6	Cp. 4
Greek	1	A ₁ , A ₂ and B	
	2	A ₁ , F and BG	Cp. 2
	3	A ₁ , F, BG and CH	Cp. 3
French	2	A	Cp. 2
	3	A and B	Cp. 3
German	2	A	Cp. 2
	3	A and B	Cp. 3
Spanish	2	Spanish	Cp. 2
Botany	1	Botany	
Chemistry	1	Chemistry	Cp.
Physics	1	Physics	Cp.
Harmony	1	Music B	

* See page 34.

All applications for examination, and all other inquiries must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th St., New York, N.Y. Applications must be made upon a blank form to be obtained from the Secretary of the Board.

A list of places at which the examinations are to be held in June, 1919, will be published about March 1st. In order that they may receive proper consideration, requests that the examinations be held at particular points should be transmitted to the Secretary of the Board not later than February 1st.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River), must be received by the Secretary on or before Monday, May 26, 1919; applications for admission to examination elsewhere in the United States must be received on or before Monday, May 19, 1919; and applications for examination at points outside the United States must be received on or before Monday, May 5, 1919.

Applications received later than the dates named will be accepted when it is possible to arrange for the examination of the candidates concerned, but only upon payment of *six* dollars in addition to the usual examination fee. Candidates filing belated applications do so at their own risk.

The examination fee is *six* dollars for all candidates examined at points in the United States, and *twenty* dollars for all candidates examined at points outside of the United States and Canada. The fee should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

Regents examinations of the State of New York may be substituted for the ordinary examinations of the College Entrance Examination Board in certain subjects provided the grades are satisfactory.

SEPTEMBER EXAMINATIONS

Admission examinations are offered at the College in September as heretofore. In general these examinations are open only to those candidates who propose to enter the current September. In September, 1919, the comprehensive examinations of the College Board will be used in place of the ordinary examinations.

**SCHEDULE OF EXAMINATIONS
SEPTEMBER, 1919**

MONDAY, SEPTEMBER 15

9-12 A. M.	English.
2- 5 P. M.	Chemistry, Physics.

TUESDAY, SEPTEMBER 16

9-12 A. M.	Latin.
2- 5 P. M.	French, Spanish.

WEDNESDAY, SEPTEMBER 17

9-12 A. M.	Mathematics.
2- 5 P. M.	German.

THURSDAY, SEPTEMBER 18

9-12 A. M.	History.
2- 5 P. M.	Greek.
	Botany, Music.

NEW PLAN OF ADMISSION FOR SEPTEMBER, 1919

Four women's colleges, Mount Holyoke, Smith, Vassar, and Wellesley, announce a new method of admission, to supersede the system of admission by certificate in 1919. The method of admission by examination in all subjects will be continued as an alternative to the new plan. No change is made in the subjects required for admission, no addition nor diminution in the amount prescribed for admission is proposed. The new plan is similar to that adopted by Harvard, Princeton, and Yale in prescribing a test of the quality of the applicant's scholarship and intellectual power.

The examinations required in this plan are of the type known as comprehensive examinations offered by the College Entrance Examination Board.

The new method depends on two kinds of evidence:

i. Evidence submitted by the school, consisting of

 a. A school report covering the entire record of subjects and grades for four years.

 b. A statement from the school principal including an estimate of the applicant's scholarly interests, special ability, and character.

2. Evidence submitted by the candidate, consisting of

Four comprehensive examinations, selected from each of the following groups:

(1) English or History, selected by the applicant.

(2) A foreign language, selected by the applicant.

(3) Mathematics, or Chemistry, or Physics, selected by the applicant.

(4) A fourth subject, designated by the applicant from the subjects which may be offered for admission. This choice must be approved by the Committee on Admission of the respective colleges.

These four examinations must be taken at one time.

At least two examinations must cover more than two admission units* each.

In each subject chosen the comprehensive examination covering all the units offered by her for admission must be taken by the applicant.

It is desirable that applicants furnish school records and state the subjects selected for examination before January fifteenth of the year in which the examinations are to be taken.

The Committee on Admission of the individual college must give its permission, based upon the evidence submitted by the school, before the applicant may take the examinations. It is proposed that the comprehensive examination set by the College Entrance Examination Board be judged by readers appointed by this Board, and forwarded to the individual college for final decision by the college Committee on Admission.

Under the new plan the candidate, if admitted to college, will be admitted free from all conditions. Failure to meet completely the standard in both kinds of evidence required will not necessarily involve rejection of the applicant; the Committee may accept unusual excellence in one part of the credentials submitted as offsetting unsatisfactory evidence or even failure in another part. If the candidate fails of admission in June she will not be debarred from taking examinations under the old system in September, but she may not take the comprehensive examinations for admission under the new plan before June of the following year.

* NOTE.—A unit as defined by the College Entrance Examination Board represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

It is believed that this new type of admission combines the best elements of the certificate system and of the examination system in that it requires the school record and estimate of character, and also demands examinations designed to test the candidate's intellectual power, not alone her memory of prescribed facts. Furthermore, the method offers the applicant the fullest opportunity to show her ability in subjects in which she believes herself best qualified.

This plan substitutes a uniform method of administration in place of the various certificate forms now used by the four colleges and gives the school entire freedom in the sequence of its work making no requirement of certain subjects in the last years.

Comprehensive examinations according to the new plan are given by the College Entrance Examination Board.

ADMISSION TO ADVANCED STANDING

Candidates for advanced standing must fulfill the requirements for admission to the freshman class, and must also be prepared to be examined in the required studies previously pursued by the class which they wish to join, and in a sufficient number of electives to give full standing with that class.

Such candidates, if they come from other colleges, may present certificates of college work, but should clearly understand that these do not necessarily exempt them from examinations. The credentials required are an official statement of the admission and college records, a marked catalogue of the institution from which the candidate transfers indicating admission subjects and courses taken, and a letter of honorable dismissal. The marked catalogue with certain required supplementary information should be received by February first. The official record and letter of honorable dismissal are due not later than *July first*. Candidates for advanced standing whose credentials admit them to *Junior or higher rank*, will take precedence of candidates for the freshman class in the assignment of rooms.

All correspondence should be addressed to the College Recorder.

Candidates are referred to page 25 for the general statement as to the time at which applications should be made.

ADMISSION OF CANDIDATES FOR THE M.A. DEGREE

Candidates for the degree of Master of Arts must be graduates of Wellesley College or of other institutions of satisfactory standing, and must present adequate credentials as to their ability to carry on the work for the M.A. degree.

Applications for admission as graduate students should be made upon forms which will be furnished by the College Recorder on request. It is desirable that the application be sent by May first of the year in which the student proposes to enter. It should be accompanied by records of standing, and, if possible, by papers and reports of work.

A matriculation fee of five dollars is payable when a student is accepted as a candidate for the Master's degree. The amount of this fee will be deducted from the diploma fee of twenty-five dollars payable when the degree is received.

Thirty scholarships, as described on page 152, are open to accepted candidates for the M.A. degree, not residing in college buildings.*

Circulars containing full information for graduate students will be sent on application to the College Recorder. For requirements for the M.A. degree see page 146.

**ADMISSION OF STUDENTS NOT CANDIDATES
FOR A DEGREE**

Applicants who give satisfactory evidence of ability to pursue advanced courses of study may be admitted at the discretion of the Board of Admission, provided that they satisfy the requirements of the departments which they propose to enter. It will be noted that opportunities of prosecuting work along special lines are thus open to persons of experience and success in teaching who possess the requisite qualifications for admission to college classes.

Applicants of less maturity and acquirement are not ordinarily admitted, but if such desire admission they must expect to meet, by examination or by certificate from an accredited school, the requirements prescribed for admission to the freshman class, or a full equivalent for them and to satisfy such additional requirements as are prescribed by the

* With the present dormitory accommodations it is not ordinarily possible to reserve rooms on the campus for graduate students; if candidates secure places in college buildings they must pay the full charge for board and tuition.

departments which they propose to enter. Specific statements of these requirements in Music will be found on pages 126, 127; in Hygiene on page 106.

All courses, graduate as well as undergraduate, are open to special students, subject to the conditions stated by the various departments; but every such student is expected to choose a primary subject to which she should devote the greater part of her time. A student who creditably completes a prescribed group of courses will be granted a certificate.

As the capacity of halls of residence is not sufficient for candidates for degrees, special students cannot be lodged in the college buildings. Comfortable homes may be found in the village at about the same expense as in college houses.

All correspondence should be addressed to the Secretary to the Board of Admission.

COURSES OF INSTRUCTION

The following Courses of Instruction are offered by the several departments. The College reserves the right to withdraw the offer of any course not chosen by at least six students.

All courses are classified in grades I, II, III; grade I including elementary courses and grade III the most advanced courses. The Roman numeral following the title of a course indicates the grade to which it belongs.

CLASSICAL ARCHÆOLOGY

PROFESSOR: ALICE WALTON, PH.D.

1. HISTORY OF CLASSICAL SCULPTURE (Art 2). III.

Open to juniors and seniors who have completed two full courses in either Art, or Greek, or Latin, or who have completed one full course and are taking a second in any of these three departments. Three hours a week for a year.

MISS WALTON.

The course will present the principles of Greek and Roman Sculpture, as developed from the earliest beginnings through the Great Periods into the Roman, with references to the minor arts, such as vase painting, coins, and so forth, as they are related to the main development. The work of the fifth and fourth centuries will be especially emphasized.

4‡. HISTORY OF GREEK POTTERY. III. (Not offered in 1918-1919.)

Open to students who have completed course 1 and have studied Greek for one year. Three hours a week for the first semester.

MISS WALTON.

The course will include the sequence of decorative styles and the principles of design in vase painting with especial emphasis upon the great period of the fifth century. Constant reference will be made to the collection of vases in the Boston Museum of Fine Arts.

5‡. GREEK AND ROMAN COINS. III. (Not offered in 1918-1919.)

Open to students who have completed course 4. Three hours a week for the second semester.

MISS WALTON.

Greek coin types will be considered especially for their artistic quality, Roman coins for their historical value.

‡ Archaeology 4-5 and Latin 15-18 are not usually given in the same year.

ART

PROFESSOR: ALICE VAN VECHTEN BROWN.

INSTRUCTORS: MYRTILLA AVERY, M.A.

BERTHA KNICKERBOCKER STRAIGHT, B.A.

LECTURERS: ELIZA JACOBUS NEWKIRK,¹⁷ M.A.

ALICE WALTON, PH.D.,

PROFESSOR OF ARCHAEOLOGY.

EDITH HARRIET MOORE,¹⁵ M.A.

ASSISTANT: ALICE THERESA COSEO, B.A.

MUSEUM ASSISTANT IN CHARGE: CELIA HOWARD HERSEY, B.A.

ASSISTANT CATALOGUER: GLADYS ADAMS TURNBACH, B.A.

1. HISTORY OF ARCHITECTURE FROM THE CLASSIC PERIOD THROUGH THE RENAISSANCE. II.

Open to students who have completed course 12. Three hours a week for a year.

MISS NEWKIRK, MISS MOORE.

The aim of this course is to give a general view of the development of styles and a thorough understanding of their essential elements, both constructive and decorative.

First semester: Introduction to the subject and history of architecture from the classic to the Gothic periods.

Second semester: Architecture of the Gothic and Renaissance periods.

2. HISTORY OF CLASSICAL SCULPTURE (Archaeology 1). III.

Open to juniors and seniors who have completed two full courses in either Art, or Greek, or Latin, or who have completed one full course and are taking a second in any one of these three departments. Three hours a week for a year.

MISS WALTON.

The course will present the principles of Greek and Roman Sculpture, as developed from the earliest beginnings through the Great Periods into the Roman, with references to the minor arts, such as vase painting, coins, and so forth, as they are related to the main development. The work of the fifth and fourth centuries will be especially emphasized in 1918-1919.

3. HISTORY OF ITALIAN PAINTING THROUGH THE FIFTEENTH CENTURY. II.

Open to students who have completed course 12. Three hours a week for a year.

MISS BROWN.

¹⁷ Absent on leave for the second semester in foreign service.

¹⁵ Appointed for the second semester only.

A general review of movements and schools with special emphasis upon the following artists: Giotto, Duccio, The Lorenzetti, Masaccio, Botticelli, Perugino, Piero della Francesca, Mantegna, The Bellini. A text-book required.

4. HISTORY OF RENAISSANCE ARCHITECTURE. III.

Open to students who have completed course 1. Three hours a week for the first semester.

MISS NEWKIRK.

A critical study of the works of important architects of the Italian Renaissance.

6. THEORY OF INTERIOR DECORATION. III.

Open to students who have completed course 4 or course 16. Three hours a week for the second semester.

MISS STRAIGHT.

The aim of this course is to develop a basis for taste and to formulate its underlying principles; to apply the general principles of design in criticism and to give an understanding of the aesthetic values of decoration in general.

The laboratory method will be used at the discretion of the Instructor, including constructive criticism of existing examples.

7. SPECIAL STUDIES IN THE ART OF THE MIDDLE AGES. III.

Open to students who have completed course 2 or 10 or 4 or 4.6 or 16.6. Also open on recommendation of the Department concerned to students in the Department of History or of English Literature who have completed or are taking one full course in the Mediæval period and have taken or are taking a second course in the same department. Three hours a week for a year.

MISS AVERY.

An introduction to the study of the Art of the Middle Ages as expressed especially in the minor arts, as glass, enamel, textiles, wood, ivories, goldsmith's art, jewelry, but also including iconography and interrelations and methods in general.

10. HISTORY OF ITALIAN PAINTING DURING THE HIGH RENAISSANCE. III.

Open to students who have completed course 3. Three hours a week for a year.

MISS BROWN.

In this course critical study will be given to the position and quality of the following artists: Leonardo, Michelangelo, Raphael, Correggio, Giorgione, Titian, Tintoretto, and Veronese. Critical

and artistic study of photographs is required, and an understanding of the methods used by Crowe and Cavalcaselle, Morelli, Berenson and other critics.

12. INTRODUCTORY COURSE IN THE HISTORY OF ART. I.

Open to freshmen, sophomores, and juniors. Prerequisite to all other courses except course 13. Three hours a week for a year.

MISS BROWN, MISS AVERY, MISS COSEO.

This course, while complete in itself, offers a review of the general development of architecture, sculpture, and painting as a foundation for further election, and aims to develop an appreciation of æsthetic values by means of a close study of photographs and of the works themselves, through the laboratory method.

13. OUTLINE COURSE IN THE HISTORY OF ART. II.

Open to seniors only. Three hours a week for a year. No prerequisites.

MISS AVERY.

This course furnishes an outline of the general development of styles in Architecture, Sculpture, and Painting, and aims to give a general knowledge and æsthetic appreciation of important monuments.

17. ROMANESQUE AND GOTHIC SCULPTURE. II. (Not given in 1918-1919.)

Open to students who have completed Art 12. Three hours a week for a year.

MISS AVERY.

A study of mediæval sculpture with emphasis on the French and Italian sculpture of the thirteenth century through the Pisani. Some work will also be included on Early Christian and Byzantine ivories, and there will be a few summarizing lectures on the sculpture of the Italian Renaissance. The purpose of this course is to make the connection between Ancient and Renaissance Art.

18. GRADUATE COURSE IN ITALIAN PAINTING. III. (Not offered in 1918-1919.)

19. CERTAIN PERIODS IN NORTHERN ART. III. (Not offered in 1918-1919.)

Studio Practice**5. STUDIO PRACTICE. I.**

Open to sophomores, juniors, and seniors. No prerequisites. Three hours a week for the first semester. (Nine hours of studio practice.)*

MISS BROWN, MISS NEWKIRK, MISS COSEO.

Drawing, sketching, modeling.

14. STUDIO PRACTICE. II.

Open to students who have completed course 5. Three hours a week for the second semester. (Nine hours of studio practice.)*

MISS BROWN, MISS STRAIGHT.

Sketching, water color, painting in oil.

16. STUDIO PRACTICE. II.

Open by permission of the department to juniors and seniors who have completed course 14. Three hours a week for the first semester. (Nine hours of studio practice.)*

MISS STRAIGHT.

Design.

GENERAL NOTES.—Practical work may be taken independently of the History of Art and will count toward the degree if one or more courses in the History of Art are taken before graduation. After one course in the History of Art has been completed, three hours of practical work as indicated in 5, 14, 16, above, equivalent to nine hours of practice, may count toward the degree; *four and one-half hours of practical work*, equivalent to thirteen and one-half hours of practice, may so count, if *six hours* in the History of Art have been completed.

Students in art courses are required to use laboratory methods, examining and comparing, sketching or describing the photographs used in illustration.

Previous preparation in drawing is not required.

N. B. Any student who desires to give yearly the time of one full course to studio work throughout her college course may do so by spending five years in college before taking her degree instead of four.

The art library is open to students from 8.00 to 5.30 daily, and from 7.15 to 9.15 on announced evenings.

* See General Notes.

ASTRONOMY**PROFESSOR: JOHN CHARLES DUNCAN, PH.D.****INSTRUCTOR: LEAH BROWN ALLEN, M.A.****CURATOR: KATHARINE BULLARD DUNCAN.****1. DESCRIPTIVE ASTRONOMY. I.***Open to all undergraduates. Three hours a week for a year.*

MR. DUNCAN, MISS ALLEN.

A general survey of the facts of Astronomy, of the methods by which they are obtained and of the theories that account for them; facts with which every educated person should be familiar, in order to understand the astronomical allusions occurring in literature and to be alive to the beauty of the order that is about us.

2. URANOGRAPHY. I.*Open to seniors and graduate students. One hour a week for a year.*

MISS ALLEN.

This course will be given Monday evenings at 7.30 o'clock. On clear evenings, naked eye study of the constellations and telescopic observations of the moon, planets, and other objects of interest. On cloudy evenings, study of photographs, maps, and apparatus illustrating the motions of the heavenly bodies.

3. ADVANCED GENERAL ASTRONOMY. II.*Open to students who have completed course 1 and who have completed or are taking Physics or Chemistry. Three hours a week for a year.*

MISS ALLEN.

Practice with the equatorial telescope, and consultation of original memoirs in the detailed study of modern discoveries in reference to the solar system, variable stars, and stellar spectroscopy.

4. OBSERVATORY PRACTICE. II.*Open to students who have completed course 1. Three hours a week for a year.*

MR. DUNCAN.

Practical work in the astronomy of position. Time, longitude, latitude, star catalogues, mean and apparent place. Use of the sextant, transit and other instruments of the observatory. Simple computations.

5. ASTROPHYSICS. III. (Not offered in 1918-1919.)

Open to students who have completed a course in Differential Calculus and either a course in Astronomy or one in Optics. Three hours a week for a year.

MR. DUNCAN.

Astronomical spectroscopy, photography, and photometry. The laws of radiation. Solar and sidereal physics; stellar motions.

6. DETERMINATION OF ORBITS. III.

Open to students who have completed Astronomy I and a year of Calculus. Three hours a week for a year.

MR. DUNCAN.

Determination, from three observations, of the elliptic and parabolic orbits of bodies in the solar system. Orbits of visual and spectroscopic binary stars. Theory and practice.

7. CELESTIAL MECHANICS. III. (Not offered in 1918-1919.)

Open to students who have completed Differential and Integral Calculus. Three hours a week for a year.

MR. DUNCAN.

The attraction of bodies of various forms under Newton's law of gravitation. The problems of two and of three bodies. Perturbations.

Courses 6 and 7 are companion courses and will usually be given in alternate years; both have a mathematical as well as astronomical interest. The trained astronomer should be acquainted with both.

8. OBSERVATORY PRACTICE. II.

Open to students who have completed course I. One hour a week for a year. By special permission, two or three hours a week for a year.

MR. DUNCAN, MISS ALLEN.

Use of the observatory equipment in work not covered by Course 4. The specific subjects will vary from year to year with such changing conditions as the configuration of the planets, the appearance of new stars and comets, the occurrence of eclipses, etc. The course may be taken repeatedly.

BIBLICAL HISTORY, LITERATURE, AND INTERPRETATION

PROFESSOR: ELIZA HALL KENDRICK, PH.D.

ANGIE CLARA CHAPIN, M.A., PROFESSOR OF GREEK.

ASSOCIATE PROFESSORS: ADELAIDE IMOGENE LOCKE, B.A., S.T.B.

OLIVE DUTCHER, M.A., B.D.

ASSISTANT PROFESSOR: MURIEL ANNE STREIBERT, B.A., B.D.

INSTRUCTORS: LOUISE PETTIBONE SMITH, PH.D.

SEAL THOMPSON, M.A.

ASSISTANT: OLIVE GREENE, B.A.

The class of 1918 will meet the requirement for a degree by adding to course 1 or 10 (Calendar 1915-1916) or to courses 1, 2, described below one of the courses: 3, 4, 5 or 8-12 (Calendar 1916-1917).

The class of 1919 and succeeding classes will meet the requirement by taking 1, 2, and 4 or 5.

1. 2. THE DEVELOPMENT OF THOUGHT IN THE OLD TESTAMENT. I.

Required of sophomores. Course 1, three hours first semester. Course 2, three hours second semester. Course 1 will be offered also in the second semester, and course 2 in the first semester.

MISS LOCKE, MISS DUTCHER, MISS STREIBERT,
MISS SMITH, MISS THOMPSON, MISS GREENE.

It is the purpose of this course to offer studies in the development of religion and ethics in the Old Testament. There will be included such historical study of Hebrew national life and such presentation of the literary problems connected with the Old Testament as are necessary to make intelligible the development of thought.

4. THE LIFE OF CHRIST. II.

Open to students who have completed courses 1 and 2. Three hours a week either semester.

MISS KENDRICK,
MISS STREIBERT, MISS THOMPSON.

Aim: (1) To study the environment of Christ in the government, institutions, manner of life, ideals, and literature of the Jewish people of his time.

(2) To follow the unfolding of his life from the historical point of view.

(3) To study the teachings of Christ: (a) in their historical connections as far as possible; (b) topically.

(4) To become acquainted with the leading problems regarding the person and work of Christ, with different points of view and with the best literature on the subject.

8. THE APOSTOLIC AGE. II.

Open to students who have completed course 4. Three hours a week for the second semester.

MISS KENDRICK, MISS THOMPSON.

It is the purpose of this course to offer studies in the essential teachings of Christianity as represented by the several New Testament writers outside of the authors of the Synoptic Gospels. There will be included such historical study of New Testament times and such presentation of the questions connected with New Testament Introduction as are necessary to make intelligible the development of Christian thought.

5. GREEK TESTAMENT. TEXT STUDY OF THE SYNOPTIC GOSPELS. II.

Open to students who have completed courses 1 and 2 and Greek 1. Three hours a week for the first semester.

MISS CHAPIN.

6. GREEK TESTAMENT. SPECIAL STUDY OF THE GOSPEL OF JOHN. II.
(Not given in 1918-1919.)

Open to students who have completed course 5. Three hours a week for the second semester.

MISS CHAPIN.

7. SOURCES OF NEW TESTAMENT GREEK IN THE SEPTUAGINT. III.
(Not offered in 1918-1919.)

Open to students who have completed course 5 (Calendar 1916-1917). One hour a week for a year.

MISS CHAPIN.

9. HISTORY OF RELIGIONS. III.

Open to students who have completed the required courses in Biblical History. Three hours a week for a year.

MISS LOCKE.

Introductory study of primitive religions followed by an outline comparative study of the rise and development of the leading historic faiths.

11. ELEMENTARY HEBREW. III.

Open to juniors and seniors. Three hours a week for a year.

MISS SMITH.

The elements of Hebrew grammar, with practice in translation and the memorizing of a vocabulary. Reading of selections from the Old Testament.

At the end of the course the student should be able to read simple Hebrew and to use the language in the study of the Old Testament.

14. SECOND YEAR HEBREW. III. (Not offered in 1918-1919.)

Open to those who have completed course II. Three hours a week for a year.

MISS SMITH.

Reading from the Prophets. Study of Hebrew syntax. The elements of text criticism.

15. INTERPRETATIONS OF CHRISTIANITY. III. (Not given in 1918-1919.)

Open to seniors. Three hours a week for a year.

MISS KENDRICK.

The aim of this course will be to trace in the devotional and controversial literature of certain of the most important periods of the Christian Church, from the beginning to the present day, varying conceptions of the essentials of Christianity, to consider the effect upon these conceptions of some of the most important currents of thought of the period studied and to make constant comparison with New Testament religion.

BOTANY

PROFESSORS: MARGARET CLAY FERGUSON, PH.D.
LINCOLN WARE RIDDLE, PH.D.

ASSOCIATE PROFESSOR: LAETITIA MORRIS SNOW, PH.D.

ASSISTANT PROFESSORS: MARY CAMPBELL BLISS, M.A.
RUTH FLORENCE ALLEN,¹⁰ PH.D.
MABEL ANNIE STONE, M.A.

INSTRUCTORS: ALICE MARIA OTTLEY, M.A.

HELEN ISABEL DAVIS, B.A.
EMMA LUELLA FISK, B.A.
MURRAY PHILIP HOROWITZ, M.S.

ASSISTANTS: REGINA EMMA STOCKHAUSEN, M.A.
LUCILE ROUSH, B.A.
PAULINE ADELAIDE SHOREY, B.A.

CURATOR: EDITH JENNITT GRIMES, B.A.

LABORATORY ASSISTANT: RUTH MARGERY ADDOMS, B.A.

5. PLANT STUDIES. I.

Open to freshmen and sophomores. Three hours a week for a year.

MISS FERGUSON, MISS BLISS, MISS STONE, MISS FISK,
MISS STOCKHAUSEN, MISS ROUSH, MISS ADDOMS.

This course is designed to bring the student into sympathy with the plant world, to cultivate the power of careful observation,

¹⁰ Resigned November, 1918.

to give a knowledge of the fundamental principles of plant life and plant breeding, and of the general principles of floriculture. The course is developed on purely scientific lines, but, at the same time, it seeks so to relate our study of plants to all life as to give the student that familiar and intimate acquaintance with her living environment which makes for the broadest culture of to-day.

The structure and development of certain plants are studied from seed germination to fruit formation, and the more simple problems connected with the adjustment of plants to their surroundings are investigated. Students are trained to know the herbaceous plants in their spring condition, to recognize the early flowers, and to know our common trees both in their winter and in their summer aspect.

1. GENERAL BOTANY. II.

Open to juniors and seniors, and to sophomores who have completed course 5 or its equivalent. Three hours a week for a year.

MR. RIDDLE, MISS SNOW.

This course treats of plant structures, plant physiology, the relation of plants to their environment, and the evolution of the plant kingdom. A certain amount of field work accompanies the laboratory studies.

2. NATURAL HISTORY OF THE THALLOPHYTES AND BRYOPHYTES. III.

Open to students who have completed course 1. Three hours a week for a year.

MR. RIDDLE.

A study of the structure and classification of the Algæ, Fungi, Lichens, Liverworts, and Mosses; of the occurrence of these plants in nature; and of their adaptation to the environment.

3. TAXONOMY AND GEOGRAPHICAL DISTRIBUTION OF THE SPERMATOPHYTE. III. (Not offered in 1918-1919.)

Open to students who have completed course 1. Three hours a week for a year.

MR. RIDDLE.

4. BACTERIA, YEASTS, AND MOULDS IN THE HOME. II.

Open to students who have completed one full course in Botany or Chemistry or Zoology. Three hours a week for a semester; offered in both semesters.

MISS SNOW, MISS ALLEN, MISS SHOREY.

This course is devoted to a consideration of bacteria, yeasts, and moulds in their relation to the affairs of daily life; special

emphasis is placed on the importance of these organisms in the household, their connection with water and milk supplies, and with the preservation of foods.

7. PLANT PROBLEMS. III.

Open to graduate students. Three or six hours a week for a year.

MISS FERGUSON, MR. RIDDLE, MISS SNOW.

This is primarily a laboratory course, but a definite weekly appointment is made with each student for a report of the papers read and of the progress of her study; and a final paper or thesis embodying the results of her investigations is required. A special problem in one of the following subjects is assigned to each student: embryology, histology, physiology, ecology, taxonomy.

8. FERNS AND FLOWERING PLANTS. II. (Not offered in 1918-1919.)

Open to students who have completed course 5 or 6. Three hours a week for a year.

9. PLANT ECOLOGY. III. (Not given in 1918-1919.)

Open to students who have completed course 1. Three hours a week for a year.

MISS SNOW.

This course considers plants in relation to their environment. It includes a study of (1) the changes in form and structure of plant parts in response to variations in external conditions, (2) the vegetation of the earth in past ages and (3) the present grouping of plants according to environmental conditions.

A large proportion of the laboratory work will be conducted in the greenhouses and the field.

11. LANDSCAPE ARCHITECTURE. III.

Open to students who have completed course 1 or its equivalent and have completed or are taking practical work in Art. Three hours a week for the first semester.

MISS DAVIS.

A preliminary study of the principles of design as applied to the problems of landscape architecture. The lectures are supplemented by field study of the ornamental value of plant material; by excursions to various estates for observation; and by laboratory practice in original design.

12. HORTICULTURE AND LANDSCAPE GARDENING. II. (Not offered in 1918-1919.)

Open to students who have completed course I or its equivalent. Three hours a week for a year.

MISS DAVIS.

13. COMPARATIVE MORPHOLOGY, CYTOLOGY, AND EMBRYOLOGY. III.

Open to seniors (and by special permission to juniors) who have completed course I. Three hours a week for the year.

MISS FERGUSON, MISS STONE.

Studies in technique; the evolution of plant forms; structure, development and contents of the plant cell; nuclear and cell division; tissue formation. Especial emphasis is placed on tracing the development and homologies of sporogenous, reproductive, and embryological organs, and on the problems of evolution and inheritance. In connection with these studies, practical exercises are given in the most approved methods of cytological and histological technique.

14. BOTANICAL SEMINARY. III. (Not offered in 1918-1919.)

Required of graduate students, and open to seniors by permission of the department. One hour a week for the year.

MISS FERGUSON.

15. ADVANCED BACTERIOLOGY. III.

Open to students who have completed Botany 4, and have completed or are taking a course in Chemistry. A course in Physics is recommended, but not required. Three hours a week for a year.

MR. HOROWITZ.

This course gives practical training in the methods used in bacteriological laboratories and considers the problems of Public Health.

WAR EMERGENCY COURSE.

10. THE PRINCIPLES OF AGRICULTURE. II.

Open to juniors and seniors who have completed in college one year of Botany, Chemistry, Geography, Physics or Zoology. Three hours a week for a year. This course does not count toward the science requirement.

MISS DAVIS, MISS FERGUSON, MISS OTTLEY.

This course aims to teach the fundamental principles of scientific agriculture. In so far as possible the practical application of these principles will be carried out on the farm during the fall and spring.

CHEMISTRY**ASSOCIATE PROFESSOR: CHARLOTTE ALMIRA BRAGG, B.S.****ASSISTANT PROFESSOR: HELEN SOMERSBY FRENCH, PH.D.****INSTRUCTORS: GERTRUDE MAY WARE, M.A.****LILLIAN ELOISE BAKER, B.A.****ASSISTANT: ANNE TAYLOR CASWELL, B.A.****1. ELEMENTARY CHEMISTRY. LECTURES AND LABORATORY WORK. I.***Open to all undergraduates. Three hours a week for a year.***MISS BRAGG, MISS BAKER.**

Course 1 is for beginners in Chemistry, and is intended to familiarize the student with the important properties of the elements and their compounds, with their modes of preparation, and with such tests as shall lead up to the study of systematic Qualitative Analysis; also to present the laws governing chemical reactions, the meaning of chemical equations, and the more recent theories adopted in the science.

2. QUALITATIVE ANALYSIS. II.*Open to students who have completed course 1 or 4. Three hours a week for the first semester.***MISS WARE.**

The lectures of this course deal with the theory of solutions and the laws of chemical and physical equilibrium as a basis for analytical work, with special applications to the work of the laboratory. The separation and the characteristic reactions of the important metals and acids are learned by the analysis of solutions of known composition, and the work is constantly tested by the analysis of unknown substances.

3. QUALITATIVE ANALYSIS. III.*Open to students who have completed courses 2 and 5 and have completed or are taking course 7. Three hours a week for the first semester.***MISS WARE.****4. GENERAL CHEMISTRY. I.***Open to students who have met the admission requirement or its equivalent. Three hours a week for a year.***MISS FRENCH, MISS CASWELL.**

The course aims to give a thorough knowledge of the fundamental principles of the science, and to take up, so far as time allows, subjects of interest and importance in daily life.

5. QUANTITATIVE ANALYSIS. II.

Open to students who have completed course 2. Three hours a week for the second semester.

MISS WARE.

This course is designed to give training in manipulation in gravimetric and volumetric analysis. The theories discussed in course 2 are applied to the work of the laboratory, and problems related to the work are included in the class discussions.

6. AIR, WATER, AND FOOD ANALYSIS. III. (Not given in 1918-1919.)

Open to students who have completed courses 1, 2, 5, and 7. Three hours a week for the first semester.

MISS BRAGG.

7. ORGANIC CHEMISTRY, WITH LABORATORY WORK IN ORGANIC PREPARATIONS. III.

Open to juniors and seniors who have completed or are taking courses 2 and 5 and, by special permission, to seniors who have completed course 1 or course 4. Three hours a week for a year.

MISS FRENCH, MISS CASWELL.

8. THEORETICAL CHEMISTRY. III.

Open to seniors who have completed or are taking course 7. Three hours a week for the second semester.

MISS FRENCH.

9. SELECTED SUBJECTS IN THEORETICAL AND PHYSICAL CHEMISTRY, WITH LABORATORY WORK IN THE DETERMINATION OF VAPOR DENSITIES AND MOLECULAR WEIGHTS. III. (Not given in 1918-1919.)

Open to seniors and graduates who have completed or are taking course 8. Three hours a week for a semester.

10. QUANTITATIVE ANALYSIS. III.

Open to students who have completed courses 2 and 5 and have completed or are taking course 7. Three hours a week for the second semester.

MISS WARE.

11. HISTORICAL CHEMISTRY. II. (Not given in 1918-1919.)

Open to students who have completed course 1 or 4. Three hours a week for the first semester.

This course treats of the beginnings of Chemistry, and its development to modern times. It includes a study of the work of the alchemists, and of the lives and discoveries of the more prominent founders of the science.

12. ADVANCED LABORATORY COURSE: ORGANIC PREPARATIONS. III.
Open to students who have completed course 7. Three hours a week for the first semester.
 MISS FRENCH.
13. CHEMISTRY IN ITS APPLICATIONS TO DAILY LIFE. II. (Not given in 1918-1919.)
Open to students who have completed course 1 or course 4. Three hours a week for the first semester.
 MISS FRENCH.
- The subject-matter of the course will include such topics as the chemistry of illuminants, of photography, of soaps; pure air and pure water, how recognized and how obtained; the modern problems of dye-stuffs and of various other chemical industries; and the question of pure, economical, and nourishing food.
 Lectures, with illustrative experiments. No laboratory work.
 This course will not count toward a major in Chemistry.
14. CHEMISTRY IN ITS APPLICATIONS TO OTHER SCIENCES. II. (Not given in 1918-1919.)
Open to students who have completed course 1 or course 4. Three hours a week for the second semester.
 MISS FRENCH.

This course will include certain subjects from Physical Chemistry, as Absorption, Osmosis, Thermo-chemistry, Electrolytes, Colloids, Radio-activity; some chapters from Organic Chemistry, including the Fats, Carbohydrates and Proteids; together with a review of such parts of Inorganic Chemistry as might be of special use in the study of other sciences.

Lectures with illustrative experiments. No laboratory work.
 This course will not count toward a major in Chemistry.

ECONOMICS AND SOCIOLOGY

ASSOCIATE PROFESSOR: ANNA PRICHITT YOUNGMAN, PH.D.

ASSISTANT PROFESSOR: DONALD SKEELE TUCKER, M.A.

INSTRUCTORS: MARION DUTTON SAVAGE, M.A.
 JOSEPH LYONS SNIDER, B.A.¹⁵

1. ELEMENTS OF ECONOMICS. I.
Open to sophomores, juniors, and seniors, but intended primarily for sophomores and juniors. Three hours a week for a year.

MISS YOUNGMAN, MR. TUCKER.

An introductory course designed to give the student acquaintance with economic facts and training in economic reasoning. Illus-

¹⁵ Appointed for the second semester only.

trations will be drawn from actual observation of the conditions determining prices, land values, wages, profits, and standards of living. In the second semester, certain legislative problems relating to currency, banking, the tariff, etc., will be discussed in class.

2. ECONOMIC HISTORY OF THE UNITED STATES. II. (Not offered in 1918-1919.)

Open to students who have completed course 1 or course 15. Three hours a week for the first semester.

MR. TUCKER.

A study of our national development in its material and social aspects.

3. ECONOMIC HISTORY OF ENGLAND. I.

Open without prerequisite to sophomores, juniors, and seniors. Three hours a week for the second semester.

MR. TUCKER.

This course will include a survey of the chief economic changes in English history, but especial attention will be devoted to the period since the industrial revolution. The course will be closed by a series of lectures on the problems which have arisen in the conduct of the present war.

4. SOCIALISM AND SOCIAL REFORM. III. (Not offered in 1918-1919.)

Open to students who have completed course 1 or courses 15-13. Three hours a week for a year.

First Semester. A history of the development of socialist thought, including a brief survey of the Utopian Socialists and a critical study of the theories of Karl Marx.

Second Semester. A comparative study of the aims and methods of different types of socialist organizations and of contrasting schools.

Some or all of the following will be considered: individualism, philosophic anarchism, trade unionism, syndicalism, guild socialism, co-operation, progressivism and the single tax. The scope and limits of government functions will be critically considered.

5. RAILROADS: RATES AND REGULATION. III.

Open to students who have completed course 1 or courses 15-13. Three hours a week for the first semester.

MR. TUCKER.

A brief survey of some of the fiscal, economic, and social problems arising from our modern means of transportation. Among the

topics discussed will be the following: history of American railroad construction; railway charters; powers of directors and stock-holders; nature of railway securities; financing, construction and development work; inter-company relations and the construction of systems; railroad traffic and rates; forms of waste that are profitable to the companies that commit them; history of American railway regulation; the problems and possibilities of government operation.

6. SOCIAL ECONOMICS. III.

Open to seniors (and by special permission to juniors) who have completed course 1 or courses 15-13. Three hours a week for the first semester.

MISS SAVAGE.

A study of the dependent, defective, and delinquent classes, accompanied by discussion of methods of dealing with each.

7. SOCIAL ECONOMICS. III.

Open to seniors (and by special permission to juniors) who have completed course 1 or courses 15-13. Three hours a week for the second semester.

MISS SAVAGE.

A discussion of problems of community life, and of methods of meeting certain normal social needs, such as housing, sanitation, education, and recreation.

8. THE MODERN LABOR MOVEMENT. III.

Open to students who have completed course 1 or courses 15-13. Three hours a week for the first semester.

MISS SAVAGE.

A study of modern industrial problems with special attention to the viewpoint of the employer and that of organized labor.

9. AN INTRODUCTION TO GENERAL SOCIOLOGY. II. (Not offered in 1918-1919.)

Open to seniors and by special permission to juniors. Three hours a week for a year.

An introduction to the study of society—its development and its present structure and functioning.

It is proposed to take up: (a) the environmental, biological, psychological, and technological factors conditioning society; (b) social relations among backward peoples; (c) facts and theories of social organization with especial reference to present conditions.

10. IMMIGRATION. II.

Open to students who have completed course 1 or course 15. Three hours a week for the second semester.

MR. SNIDER.

A study of immigration into the United States, the race elements represented, and their geographical distribution; the social, political, and economic influence of our foreign populations; the history of restrictive legislation and the arrangements thus far provided for the reception and care of aliens.

11. GENERAL PRINCIPLES OF TAXATION. III. (Not offered in 1918-1919.)

Open to students who have completed course 1 or courses 15-13. Three hours a week for the second semester.

MISS YOUNGMAN.

This course will deal with the principles of taxation with special reference to conditions in the United States. Each student will be required to make a study of the tax system of some one state or municipality.

12. CORPORATE ORGANIZATION AND CONTROL. III.

Open to students who have completed course 1 or courses 15-13. Three hours a week for the second semester.

MISS YOUNGMAN.

The development of large scale production and the growth of corporate business; characteristic forms of industrial combination; state and federal regulatory legislation and judicial decisions relating thereto; alleged advantages and evils of industrial combination; proposed remedies for the latter.

13. ECONOMIC DEVELOPMENT. II.

Open only to students who have completed course 15. Three hours a week for the second semester.

MR. TUCKER.

A survey of the chief stages of economic life, in an effort to understand the development of the institutions which characterize our present-day money economy. Especial emphasis will be laid on the distinctive features of modern industrialism.

15. INTRODUCTION TO ECONOMIC LIFE. II.

Open to seniors and juniors. Three hours a week for the first semester.

MR. TUCKER.

A brief survey of modern economic life with especial reference to the working of the money economy. The topics considered will

include production, its factors and limits; money and banking; the determination of the value of money, the fixing of prices and the forces determining wages, salaries, and other incomes.

16. MONEY AND BANKING. III.

Open to students who have completed course 1 or courses 15-13. Three hours a week for the first semester.

MISS YOUNGMAN.

The course deals mainly with the principles of money and banking, but it is also designed to give the student some acquaintance with the history and chief characteristics of typical modern systems of banking.

17. ECONOMICS OF CONSUMPTION. II. (Not offered in 1918-1919.)

Open to students who have completed course 1 or course 15. Three hours a week for the first semester.

This course will deal with both theoretical and practical aspects of the use of wealth. Some or all of the following topics will be discussed: the division of public and private incomes between use as capital and use for immediate consumption (functions and limits of saving), "Engel's law," standards of living, workingmen's budgets and the minimum wage, Veblen's theory of conspicuous consumption, the rôle and social limits of luxury, final utility and its relation to expenditure. The function of women in directing household expenditure will be considered throughout.

20. INDUSTRIAL AND SOCIAL LEGISLATION. III.

Open to students who have completed course 1 or courses 15-13. Three hours a week for the second semester.

MISS SAVAGE.

A study of government regulation of industrial and social conditions by means of labor laws, social insurance, and other reform measures.

EDUCATION

PROFESSORS: ARTHUR ORLO NORTON,⁴ M.A.

ANNA JANE McKEAG, PH.D., LL.D.

ASSISTANT PROFESSOR: MURIEL ANNE STREIBERT, B.A., B.D..

ASSISTANT PROFESSOR OF BIBLICAL HISTORY.

LECTURER: ANNA WHITE DEVEREAUX.

6. INTRODUCTORY COURSE IN EDUCATION. II.

Open to juniors who have completed or who are taking the required course in Philosophy, and to seniors. Three hours a week for a year.

MISS McKEAG.

⁴ Absent on Sabbatical leave in Government service.

This course is organized to meet the needs not only of prospective teachers but also of all who are interested in the intelligent direction of education as a phase of social service. Its purpose is to give a general survey of the practices, theories, and problems of modern education.

The work of the course is illustrated throughout the year by visits to assigned schools for the observation of children and of class-room practice, by examples of school work, and by lantern slides.

2. ADVANCED COURSE IN THE HISTORY OF EDUCATION. III. (Not given in 1918-1919.)

Open to seniors who have completed or are taking Education 6, and to graduates. Three hours a week for a year.

MR. NORTON.

From the point of view of this course modern education appears as the outcome of a long series of historic events, the effects of which are visible in the ideals, studies, modes of teaching, and organization of our present schools, colleges, and universities. The purpose of the year's work is to study in some detail the most important events in the history of European and American education, and their effects on the present course of educational affairs.

The lectures are constantly illustrated by original manuscripts, facsimiles, early editions of noted text-books, and similar historical documents, by translations from the sources, and by numerous lantern slides.

3. PROBLEMS IN EDUCATION. III. (Not given in 1918-1919.)

Open to graduates who have completed a full course in Education. Three hours a week for a year.

MISS MCKEAG.

The subject-matter of this course will vary from year to year in accordance with the equipment and needs of students. The topics for study will be chosen from the field of experimental or statistical investigation or from that of the general science of education.

4. SECONDARY EDUCATION. III.

Open by permission to seniors who have completed a full course in Education, and to graduates. Three hours a week for a year.

MISS MCKEAG.

The history and principles of secondary education, with special reference to the high schools of the United States. A study will be made of approved methods of teaching English, foreign languages, sciences, mathematics, and history in high schools. Opportunity

will be given for observation of the work of specially successful high school teachers in the subject which the student expects to teach.

In connection with this course the Department of Education requires from graduates a semester of systematic practice teaching in a high school, to be done as independent work, under the guidance of the Department and with the co-operation of the principal of the high school. Practice in teaching is not open to undergraduates.

9. ELEMENTARY EDUCATION: HISTORY, PRACTICE, AND PROBLEMS. III. (Not offered in 1918-1919.)

Open to graduates who have completed Philosophy 1, or an equivalent, and one full course in Education. Three hours a week for a year.

Course 9 includes a brief survey of the history of elementary education in the United States, a detailed study of present elementary school practice, a critical discussion of the principles which underlie that practice, and the investigation of selected problems in elementary education.

The purpose of the course is to give to each student a knowledge of existing conditions and problems, some facility in handling the tools and methods of practical research in this field, and ability to formulate her views as to the ideas, scope, and work of the elementary schools.

5. PRINCIPLES AND PROBLEMS OF RELIGIOUS EDUCATION. III.

Open to seniors who have completed the first semester of Education 6. Three hours a week for the second semester.

MISS STREIBERT.

The aims of religious education in the light of the fundamental characteristics and present tendencies of Christianity. The religious development of the individual. The selection and use of Biblical material for different ages. The Sunday school: its organization, curricula, and methods of teaching; its relation to the home.

10. PRINCIPLES AND METHODS OF TEACHING FRENCH IN SECONDARY SCHOOLS. III. (Not given in 1918-1919.)

Open in 1918-1919 to seniors who have completed or are taking French 4, and thereafter only to seniors who have also completed the first semester of Education 6. Three hours a week for the second semester.

The aim of this course is to teach the students how to impart to their pupils, in the shortest possible time, a speaking, understanding, reading, and writing knowledge of French. After a survey of the general difficulties arising from English habits of thought and of

expression already formed, the instructor will deal with the several aspects of modern language work, such as the teaching of vocabulary, of grammar, of composition and of translation, the selection and use of books, the correction and elimination of errors, the equipment of the teacher and of her department in the high school.

7‡. THE HISTORY, THEORY, AND PROBLEMS OF THE KINDERGARTEN. III.
(Not given in 1918-1919.)

Open to graduates who have completed Philosophy 1 or an equivalent, and one full course in Education. (Courses 7 and 8 must ordinarily be taken together.) Four hours a week for a year.

MISS DEVEREAUX.

The reconstruction of educational theories in the eighteenth and early nineteenth centuries. The relation of this reconstruction to the work of Froebel. The origins and history of the kindergarten movement in Europe and America. Exposition and criticism of the theory of kindergarten practice. Other forms of sub-primary education: the Waverley plan, the Montessori methods; their relation to kindergarten practice. The kindergarten and the primary school.

8. KINDERGARTEN PRACTICE: MATERIALS, METHODS, EXERCISES, TECHNIQUE. III. (Not given in 1918-1919.)

Open to graduates who have completed Philosophy 1, or an equivalent, and one full course in Education (see note below). Four hours a week for a year.

MISS DEVEREAUX.

Course 8 deals in general with practical applications of the theory given in course 7. It includes on the one hand a detailed study of the materials, devices, exercises, and methods of the kindergarten, and on the other, extensive observation of their use, with practice in teaching.

NOTE.—Courses 7 and 8 must ordinarily be taken together. They will occupy two thirds of the student's time for the year. Students who are preparing to conduct kindergartens or kindergarten training classes are required to take a third course, usually in Education, to be determined on consultation with the head of the department of Education. Ability to play on the piano the music of kindergarten songs and games is a prerequisite of these courses.

‡ See note under course 8.

ENGLISH

I. English Literature

PROFESSORS: KATHARINE LEE BATES, M.A., LITT.D.

VIDA DUTTON SCUDDER, M.A.

MARGARET POLLOCK SHERWOOD, PH.D.

ALICE VINTON WAITE, M.A.

MARTHA HALE SHACKFORD, PH.D.

ASSOCIATE PROFESSORS: LAURA EMMA LOCKWOOD,⁶ PH.D.

CHARLES LOWELL YOUNG, B.A.

MARTHA PIKE CONANT,⁸ PH.D.

ALICE IDA PERRY WOOD, PH.D.

LAURA ALANDIS HIBBARD, PH.D.

ASSISTANT PROFESSOR: ELIZABETH WHEELER MANWARING, B.A.

LECTURER: EARL AUGUSTUS ALDRICH, M.A.

INSTRUCTORS: ANNIE KIMBALL TUELL, M.A.

MARY BOWEN BRAINERD, PH.D.

ASSISTANT: CATHERINE OAKES, M.A.

1. OUTLINE HISTORY OF ENGLISH LITERATURE. I.

Open to freshmen, sophomores, and juniors. Three hours a week for a year.

MISS WOOD, MISS TUELL, MISS HIBBARD, MRS. BRAINERD,
MISS CONANT, MISS MARKLEY.

The object of the course is to give the student a general survey of English literature and to prepare the way for more specialized work. The course is conducted by lectures and critical studies of selected masterpieces.

2. AMERICAN LITERATURE. II.

Open to students, except freshmen, who have completed or are taking course I, and to all seniors. Three hours a week for a year.

MR. YOUNG.

This course attempts to give a comprehensive account of American literature. After a brief introductory study of the Colonial and the Revolutionary background, the class reads in turn: (1) the literature of the Middle States; (2) of New England; (3) of the country at large since the Civil War, especially the South and the West; (4) contemporary poetry. Stress is laid in the class room on the most representative writers.

⁶ Absent on leave.

⁸ Absent on leave for the first semester.

3. ENGLISH LYRIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. II.

Open to students, except freshmen, who have completed or are taking course 1. Three hours a week for the second semester.

MISS CONANT.

This course considers the lyrics of Wyatt, Surrey, Sidney, Spenser, and Shakespeare; the poems of Donne, Herbert, Vaughan, Traherne, Herrick, and Lovelace; and Milton's lyrics as a final expression of the Renaissance. A brief survey completes the history of the English lyric. The course aims to study the life and personality of each poet; the historical background; and, chiefly, the essential beauty of this literature, thus developing a keener appreciation of the lyrical quality in poetry.

4. MILTON. II. (Not given in 1918-1919.)

Open to students, except freshmen, who have completed or are taking course 1. Three hours a week for a year.

The primary object of this course is the critical study of Milton as a master in lyric, epic, and dramatic poetry, and as a writer of notable prose. The character and genius of the poet are considered as influenced by the political and religious conflict of the times. Special emphasis is placed on the comparison of Milton's work with that of other great writers who have used the same literary forms.

5. THE LITERARY HISTORY OF PROSE FORMS IN THE ESSAY. II. (Not offered in 1918-1919.)

Open to students, except freshmen, who have completed or are taking course 1. Three hours a week for the second semester.

This course considers the development of essay literature from the formal classicism of Bacon, through the satire of Swift, Defoe, and the pamphleteers, to the familiar essay of Addison, Goldsmith, and Lamb, and the character essay in Leigh Hunt, Landor, and Thackeray.

6. VICTORIAN PROSE. III.

Open to juniors and seniors who have completed course 1, and have completed or are taking a second three-hour course. Three hours a week for a year.

MR. ALDRICH.

This course attempts to appreciate, with due reference to the historical background, the distinctive values of Victorian prose. The stress in class room is laid on Dickens, Thackeray, Newman, Carlyle, Macaulay, Arnold, George Eliot, Pater, and Ruskin.

7. ENGLISH POETRY OF THE NINETEENTH CENTURY. III.

Open to juniors and seniors who have completed course 1, and have completed or are taking a second three-hour course. Three hours a week for a year.

MISS SHERWOOD.

This course considers the work of the Georgian and the Victorian poets in their relation to one another and to contemporary movements, political, social, ethical, and æsthetic. Extended study is given to Wordsworth and Coleridge; Shelley and Keats; Tennyson and Browning; with briefer readings from Byron, Scott, Landor, Clough, Arnold, Rossetti, Morris, and Swinburne.

8. ENGLISH LITERATURE OF THE FOURTEENTH CENTURY. II.

Open to students, except freshmen, who have completed or are taking course 1; to sophomores who have completed English Composition 1 with credit and who plan a major concluding with course 10; to juniors who plan a major concluding with course 10. Three hours a week for a year.

MISS SHACKFORD.

This course centres in a chronological study of the major portion of Chaucer's work. Attention is given to Chaucer's chief Latin, French, and Italian sources, to contemporary English literature and social conditions. Special study is made of various metrical romances and of *Piers Plowman*.

9. SHAKESPEARE. III.

Open to juniors and seniors who have completed course 1, and have completed or are taking a second three-hour course; also to juniors who are beginning their major with course 8. Three hours a week for a year.

MISS BATES.

Shakespeare's plays and sonnets will be read and discussed, and a few selected plays will be closely studied. The Tudor and Stuart times, and Shakespeare's life and art, as changing with the times, will form the background of the work.

10. HISTORICAL DEVELOPMENT OF ENGLISH LITERATURE. III.

Open to graduates, and required of seniors who are majoring in English Literature and have not had course 1. Three hours a week for a year.

MISS SCUDDER.

This course proposes a study of consecutive masterpieces chosen to illustrate the development of English literature from the time of *Beowulf* to the end of the Victorian age. It aims to focus attention upon successive phases of national thought and life as expressed in salient and representative books.

11. MODERN AUTHORS. III.

Open to graduates, and to approved seniors who have completed two three-hour courses in the department. Three hours a week for a year.

MISS SHACKFORD.

Two or more authors are chosen each year for special study. In 1918-1919 the choice is Wordsworth, Keats, and Browning.

12. CRITICAL PROBLEMS OF THE LITERATURE OF THE FOURTEENTH CENTURY. III.

Open to graduates, and to approved seniors who have completed two three-hour courses (not including course 8) in the department. Three hours a week for a year.

MISS HIBBARD.

This course aims to introduce students to some of the more important problems in the literature of Chaucer and of his contemporaries. Special effort is made to investigate the differentiation of literary types in this era; the influence of foreign writers; the growth of a national spirit; and some of the vital questions of textual criticism.

13. SOCIAL IDEALS IN ENGLISH LETTERS. III.

Open to seniors who have completed two full courses in English Literature or Economics or History, or who have completed one full course in any of these departments and are taking another course. Three hours a week for a year.

MISS SCUDDER.

This course studies the expression in English literature of social compunction, social criticism and social ideals. It covers a swift survey from the time of *Piers Plowman* to that of Blake, and a closer consideration of the literature of the nineteenth and twentieth centuries in its social bearing.

14. ENGLISH MASTERPIECES. II.

Open only to seniors who have completed no full course in the department, or course I only. Three hours a week for a year.

MISS SCUDDER, MISS CONANT.

This course is intended to develop a sympathetic appreciation of literature through the study of chosen masterpieces. The work includes readings from Wordsworth, Coleridge, Shelley, Carlyle, Ruskin, Arnold, Browning, Shakespeare, Scott, Jane Austen and Thackeray; also, if time permits, from modern drama and recent verse.

15. DRYDEN AND POPE. II. (Not offered in 1918-1919.)

Open to students who have completed or are taking course I. Three hours a week for a year.

This course centres in the personality, work, and influence of Dryden and of Pope, while including a knowledge of important contemporary writers, and the social, political, and historical background.

16. TENDENCIES OF TWENTIETH CENTURY POETRY. III.

Open only to juniors and seniors who have already completed two three-hour courses in the department. One hour a week for a year.

MISS BATES.

This course proposes to point out the special significance, as related to the English tradition, of the work of certain contemporary poets, English and American, especially those who have won distinction since 1900.

17. DEVELOPMENT OF ENGLISH PROSE FICTION TO 1830. II. (Not offered in 1918-1919.)

Open to all students who have completed or are taking course I. Three hours a week for the first semester.

The work extends from the chivalric romance through the sixteenth-century experiments with new types of fiction, and the eighteenth-century development of the novel, to selected masterpieces of Jane Austen and of Scott.

18. THE BRITISH BALLAD. II. (Not given in 1918-1919.)

Open to students, except freshmen, who have completed or are taking course I. Three hours a week for the first semester.

MISS HIBBARD.

This course studies the English and Scottish popular ballad and the modern literary ballad. Special attention will be given to folk-lore elements in the ballad and to the significance of the recent revival of interest in folk dance and story.

19. POETICS. II.

Open to students, except freshmen, who have completed or are taking course I, and also to students who are majoring in English Composition. One hour a week for a year.

MISS MANWARING.

This course has for its object such study of the laws of English versification as may secure for the general student of literature a keener and more intelligent appreciation of poetic expression, and for students interested in verse composition opportunity for experiment and criticism.

20. SPENSER. II. (Not offered in 1918-1919.)

Open to students, except freshmen, who have completed or are taking course 1. Three hours a week for the second semester.

MISS TUELL.

This course proposes a study of Spenser, with special reference to his position as a Renaissance type. The *Faerie Queene* and minor poems will be studied as Renaissance forms with some attention to sources in classic and continental literatures.

21. INTRODUCTION TO ARTHURIAN ROMANCE. II.

Open to students, except freshmen, who have completed or are taking course 1. Three hours a week for the year.

MISS SCUDDER, MISS HIBBARD.

This course traces the development of the Arthurian cycle from the twelfth through the fifteenth century. There is reading in translation of the chronicles and the early verse romances; and in the original of English romances easily accessible, including Malory's *Morte Darthur*.

22. ENGLISH ROMANTICISM. III.

Open to graduates, and to approved seniors who have completed two three-hour courses in the department. Three hours a week for a year.

MISS SHERWOOD.

A study of the Romantic Movement in England from its beginnings in the eighteenth century on through the work of the early nineteenth century poets. Certain phases of the relation of English to German literature and to French literature during the period of reaction are studied.

23. CRITICAL STUDIES IN ENGLISH DRAMA. III.

Open to graduates and to approved seniors. Three hours a week for a year.

MISS BATES.

This course attempts to give graduate training in literary investigation. To each student is assigned some special problem of source, authorship or the like, which she pursues till her conclusion is reached, reporting progress from week to week in the seminar.

24. SPECIAL STUDIES IN AMERICAN LITERATURE. III.

Open to students who have completed course 1 and have completed or are taking a three-hour course of grade II (not course 2) in the department. Three hours a week for a year.

MR. YOUNG.

In 1918-1919 this course studies the interpretation of American life in the national literature.

25. BEGINNINGS OF THE ENGLISH RENAISSANCE FROM CAXTON TO SPENSER. III. (Not offered in 1918-1919.)

Open to graduates, and to approved seniors who have completed two three-hour courses in the department. Three hours a week for a year.

MISS CONANT.

This course aims to give graduate training and so to present the beginnings of the English Renaissance that the student may rightly estimate the achievements of the great Elizabethans.

26. HISTORY OF ENGLISH DRAMA. II.

Open to students who have completed or are taking course I. Three hours a week for a year.

MISS WOOD.

This course traces the history of English drama from the beginnings in folk-plays and the liturgy of the Church, through the Miracles and Moralities, the Elizabethan dramatists, and the comedy and tragedy of the seventeenth and the eighteenth centuries, to the final development into contemporary forms.

27. CONTEMPORARY DRAMA. III.

Open to students who have completed or are taking a full grade III course in the department. Two hours a week for a year.

MISS WAITE.

The modern English drama is considered in relation to parallel European drama.

II. English Composition

PROFESSOR: SOPHIE CHANTAL HART, M.A.

ASSOCIATE PROFESSORS: AGNES FRANCES PERKINS, M.A.

JOSEPHINE HARDING BATCHELDER, M.A.

AMY KELLY, M.A.

ASSISTANT PROFESSORS: ELIZABETH WHEELER MANWARING, B.A.

ALFRED DWIGHT SHEFFIELD, M.A.

INSTRUCTORS: HELENE BUHLERT MAGEE,⁶ M.A.

KATHERINE FORBES LIDDELL, B.A.

EDITH HAMILTON, M.A.

ANNIE KIMBALL TUELL, M.A.

HELEN LOUISA DREW, M.A.

CAROLINE ELIZA VOSE, M.A.

MARY UNDERHILL, B.A.

- 1 $\frac{1}{2}$. GENERAL SURVEY. I.

Required of freshmen. Three hours a week for a year.

MISS PERKINS, MISS BATCHELDER, MISS KELLY,

MR. SHEFFIELD, MISS LIDDELL, MISS HAMILTON,

MISS TUELL, MISS DREW, MISS VOSE, MISS UNDERHILL.

First semester: expository writing, with emphasis on structure.

⁶ Absent on leave.

\ddagger If a student submits papers notably deficient in English as part of her work, in any department, she will incur a condition in English Composition, whether or not she has completed the requirement in English Composition.

Weekly themes. Second semester: expository writing, critical and interpretative; description; simple narrative. Fortnightly themes or their equivalent.

2. INTERMEDIATE COURSE IN EXPOSITORY WRITING. I.

Required of students who have made D grade in the second semester of course 1. Three hours a week for one semester.

MISS VOSE.

3. ARGUMENTATION AND DEBATES. II.

Open to sophomores and juniors who have completed course 1. Three hours a week for a year.

MISS KELLY.

Debates throughout the year.

5. ORAL EXPOSITION. II.

Open to sophomores and juniors who have completed course 1. Three hours a week for a year. Either semester may be elected separately.

MR. SHEFFIELD.

First semester: expository analysis; the ordering of source material with a view to effective presentation; short speeches based on written outlines. Second semester: Parliamentary procedure; the technique of group discussion; common types of public address.

8. ADVANCED EXPOSITORY WRITING. II.

Open to sophomores and juniors who have completed course 1. Three hours a week for a year. Either semester may be elected separately.

MISS PERKINS, MISS BATCHELDER.

First semester: a critical study of the abstract, the editorial, the review, the special article, as exemplified in the newspaper and weekly periodical. Fortnightly themes. Second semester: the essay form, biography, the critical review, the interpretative study of prose style. Fortnightly themes or their equivalent.

6. NARRATIVE WRITING AND SHORT THEMES. III.

Open to juniors and seniors who have completed course 1 and to sophomores who have completed one semester of course 5 or course 8. Two hours a week for a year. Either semester may be elected separately.

Miss MANWARING.

Four short themes or their equivalent per week. Long themes at stated intervals. Critical analysis in the class room of themes submitted.

10. THE THEORY AND HISTORY OF CRITICISM. III.

Open to juniors and seniors. One hour a week for a year.

MISS HART.

Lectures on the critical theory of Plato and Aristotle and on the more important English and French critics.

16. ADVANCED COURSE IN ENGLISH COMPOSITION. III.

Open to seniors who have completed course 3, 5, 8, or 6. Three hours a week for a year.

MISS HART.

Studies in structure and style, with frequent practice in writing.

III. English Language

ASSOCIATE PROFESSOR: LAURA EMMA LOCKWOOD,⁶ PH.D.

PROFESSOR: ALICE VINTON WAITE, M.A.

ASSOCIATE PROFESSOR: AMY KELLY, M.A.

ASSISTANT PROFESSOR: ALFRED DWIGHT SHEFFIELD, M.A.

1. OLD ENGLISH. II.

Open to juniors, seniors, and approved sophomores, who have completed a year of language in college. Three hours a week for a year.

MR. SHEFFIELD.

A study of the grammar and vocabulary of Old English. The reading of *Beowulf* and of selections from old English poetry and prose.

2. OLD AND MIDDLE ENGLISH. III. (Not offered in 1918-1919.)

Open to juniors, seniors, and graduates who have completed course 1. Three hours a week for a year.

MISS KELLY.

First semester: the reading of the poetry of Cynewulf and of selections from the *Riddles*. Second semester: the study of the Middle English dialects based upon Emerson's *Middle English Reader*. The reading of the romances of *Havelock*, *King Horn*, *Emare*, and *The Siege of Troy*.

3. HISTORY OF THE ENGLISH LANGUAGE. III. (Not given in 1918-1919.)

Open to juniors and seniors. Three hours a week for a year.

MISS WAITE.

Origin and structure of the English Language in vocabulary, grammatical inflections, and syntax as the basis of modern usage.

⁶ Absent on leave.

4. SEMINAR IN OLD ENGLISH. III. (Not offered in 1918-1919.)

*Open to graduates, and to seniors by permission of the department.
Three hours a week for a year.*

MISS LOCKWOOD.

A study of Old English inflections, phonology, and syntax. The reading of the best pieces of literature in Old English prose and poetry. A particular problem in either literature or language is assigned to each student for investigation.

FRENCH

PROFESSOR: LOUIS PERDRIAU, L.I.O. ÈS L.

ASSISTANT PROFESSOR: EUNICE CLARA SMITH-GOARD, M.A. (CHAIRMAN).

INSTRUCTORS: MATHILDE BOUTRON DAMAZY, B. ÈS L.

GLADYS PRISCILLA HAINES,¹³ B.A.

FLORENCE DIDIEZ DAVID, M.A.

DOROTHY WARNER DENNIS, B.A.

FLORENCE BEARD BRACQ, M.A.

MARTHE ALEXIA BOYER, C.A. (LETTRES).

MARTHE PUGNY.

All courses beginning with course I are conducted in French.

1‡. ELEMENTARY COURSE. FRENCH PHONETICS, GRAMMAR, COMPOSITION, READING, EXERCISES IN SPEAKING, AND DICTATION. I.

Open to all undergraduates. Three hours a week for a year.

MISS DAVID, MISS DENNIS, MISS BRACQ.

The course includes (1) a practical study of French pronunciation with phonetic drill; (2) the practical study of French grammar; (3) readings on French life and French institutions.

2‡. INTERMEDIATE COURSE. FRENCH PHONETICS, SYNTAX, COMPOSITION, READINGS FROM CONTEMPORARY AUTHORS OF NOTE; EXERCISES IN SPEAKING; WRITING FROM DICTATION. I.

Open to all students who have completed course I or the two unit admission requirement in French. Three hours a week for a year.

MISS SMITH-GOARD, MISS DAVID, MISS DENNIS, MISS BRACQ.

The course includes (1) a practical study of French pronunciation with phonetic drill; (2) a systematic review of syntax introductory to theme writing and oral narrative; (3) selected readings, prepared and sight, from modern writers.

¹³ Absent on leave in foreign service.

† First-year French may not be counted toward the B.A. degree if taken after the sophomore year, nor second-year French if taken after the junior year. French I and German I may not both be counted toward the B.A. degree.

3. FRENCH PHONETICS, GRAMMAR AND COMPOSITION. I.

Open to students who have met the three unit admission requirement in French. This course may not be elected without course 5, except by permission of the department. One hour a week for a year.

MISS SMITH-GOARD, MISS DAMAZY, MISS PUGNY.

The course includes (1) a practical study of French pronunciation with phonetic drill; (2) a study of the French language based on a series of *Leçons de langue française*; (3) weekly written exercises based on the class work.

5. OUTLINE HISTORY OF FRENCH LITERATURE. I.

Open to students who have met the three unit admission requirement in French. This course may not be elected without course 3, except by permission of the department. Two hours a week for a year.

MISS SMITH-GOARD, MISS DAMAZY, MISS PUGNY.

The aim of this course is to give the students a very general view of the history of French literature from the seventeenth century to the present time, and thus to encourage and prepare students to take up more specialized studies in more advanced courses.

The course is based on a short *Histoire de la littérature française*, and on the reading and explanation of short representative selections from the authors studied.

24. FRENCH PHONETICS, GRAMMAR AND COMPOSITION. II.

Open to students who have completed course 2. This course may not be elected without course 29, except by permission of the department. One hour a week for a year.

MISS DAMAZY, MISS BOYER.

The course includes (1) practical study of French pronunciation with phonetic drill; (2) a study of the French language based on a series of *Leçons de langue française*; (3) weekly written exercises based on the class work.

29. HISTORY OF FRENCH LITERATURE. II.

Open to students who have completed course 2. This course may not be elected without course 24, except by permission of the department. Two hours a week for a year.

MISS DAMAZY, MISS BOYER.

The aim of the course is to show briefly the evolution of French literature from the Renaissance to the present time. It is based on a short *Histoire de la littérature française*, the reading and explanation of representative short texts.

7. PRACTICAL PHONETICS WITH ADVANCED GRAMMAR AND COMPOSITION.

II.

*Open to students who have completed courses 3 and 5, or 24 and 29.
One hour a week for a year.*

MISS PUGNY.

The course consists of a series of lessons in practical phonetics and advanced grammar, with weekly written or oral exercises based on the lessons.

4. PRACTICAL PHONETICS WITH ADVANCED AND HISTORICAL GRAMMAR.

III. (Not given in 1918-1919.)

Open to students who have completed courses 3 and 5 or 24 and 29, and 12, also to seniors taking course 12. Three hours a week for a year.

Advanced phonetics; linguistic and grammatical study of texts; free composition; causeries on method in learning and teaching modern languages.

This course is designed for students who intend to teach French.

12. THE CLASSICAL PERIOD OF FRENCH LITERATURE. II.*Open to students who have completed courses 3 and 5, or courses 24 and 29. Three hours a week for a year.*

MR. PERDRIAU, MISS DAMAZY, MISS BOYER.

As an introduction to this course, a short study will be made of the origin of French classicism in the Renaissance movement of the sixteenth century; but the main object of the course will be the study of the evolution of French classical literature during the seventeenth century, in the works of the great dramatists and prose writers: Descartes, Corneille, Racine, Molière, La Fontaine, Boileau, Mme. de Sevigné, Pascal, La Bruyère.

13. CONVERSATION AND JOURNAL CLUB. II.*Open to students who have completed or who are taking course 12. One hour a week for a year.*

MISS SMITH-GOARD.

Oral and written reports, reviews and discussion of important magazine articles, current events. The aim of the course is two-fold: practice in the use of the spoken language, and a brief study of the France of to-day and of French institutions.

9. LITERATURE OF THE FRENCH REVOLUTION. III.*Open to students who have completed course 12. Three hours a week for the first semester.*

MISS DAMAZY.

This course aims to give a comprehensive view of the literature of the French Revolution as exemplified in certain representative

philosophers and orators (Voltaire, J. J. Rousseau, Diderot, Mirabeau, Robespierre, etc.)

A special study will be made of the origin of romanticism as found in the work of Rousseau and his disciples in France and abroad.

10. THE ROMANTIC AND THE REALISTIC PERIODS OF THE NINETEENTH CENTURY. III.

Open to students who have completed course 9. Three hours a week for the second semester.

MISS DAMAZY.

This course treats of French romanticism as expressed in the works of the masters of its various forms—criticism, drama, lyric, novel. The writers studied include: A. de Musset, A. Lamartine, A. de Vigny, V. Hugo, A. Dumas, H. de Balzac, G. Sand, G. Flaubert, Taine, Renan, etc.

15. CONTEMPORARY FRENCH LITERATURE FROM THE BEGINNING OF THE NATURALISTIC PERIOD TO THE PRESENT TIME. III.

Open to juniors and seniors who have completed course 12. Three hours a week for a year.

MR. PERDRIAU.

The object of this course: To give to advanced students general information about the contemporary French novelists, poets, dramatists, critics, and philosophers. The authors studied as representative of the contemporary French period are: E. Zola, G. de Maupassant, A. Daudet, P. Loti, P. Bourget, A. France, M. Barrès, Baudelaire, Leconte de Lisle, J. M. de Heredia, F. Coppée, Sully-Prudhomme, P. Verlaine, H. de Régnier, Madame de Noailles; M. Maeterlinck, E. Rostand; F. Brunetière, J. Lemaître; H. Poincaré, H. Bergson, and the war-writers.

30. STUDIES IN STYLE. III. (Not offered in 1918-1919.)

Open to students who have completed course 7. One hour a week for a year.

This course is related to course 15.

11. OLD FRENCH AND OLD FRENCH LITERATURE. III. (Not offered in 1918-1919.)

Open to graduates, and to seniors by permission of the department. Three hours a week for a year.

Phonology with reading of *La Vie de St. Alexis*, *La Chanson de Roland*, *Aucassin et Nicolette*, *Chrétien de Troyes*. Gaston Paris: *Extraits des Chroniqueurs français*. Selections from Constans: *Chrestomathie de l'ancien français*. The history of the French language is traced from its origin to the present time, and illustrated by texts read. For reference, Darmesteter: *Grammaire*

Historique; Gaston Paris: *Manuel de la littérature française du moyen âge;* also standard works on the subject in the college library. Lectures, critical reading.

20. OLD PROVENÇAL. III. (Not offered in 1918-1919.)

Open to graduate students only.

This course is complementary to course II. Together these courses mark the synchronic lines of development of the langue d'oïl and the langue d'oc.

The department is prepared to direct research work for graduate students in special subjects in Old French and Old French literature, also in modern French language and literature.

GEOLOGY AND GEOGRAPHY

PROFESSOR: ELIZABETH FLORETTE FISHER, B.S.

ASSOCIATE PROFESSOR: MARY JEAN LANIER, B.S.

INSTRUCTORS: FREDERICK HENRY LAHEE,¹⁰ PH.D.

MARGARET TERRELL PARKER, B.S.

LECTURER: CHARLES HYDE WARREN, PH.D.

LABORATORY ASSISTANTS: ISABEL DEMING BASSETT, B.A.

ISABEL WHITING, B.A.

I. Geography

8. PHYSIOGRAPHY. I.

Open to freshmen and sophomores. Three hours a week for a year.

MISS FISHER, MISS PARKER, MISS BASSETT.

This course is designed to give an understanding of the physical features of the land and ocean, which affect life. The origin and significance of land forms will be so treated as to explain the development of rivers, glaciers, valleys, plains, plateaus, and mountains, and to point out the changes which these forms are undergoing to-day. It gives some account of the rocks and soils that are characteristic of the different land forms.

Lectures and recitations accompanied by parallel studies in the laboratory and field.

3. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. II.

Open to juniors and seniors, and to sophomores who have completed a year of science in college. Three hours a week for a year.

MISS LANIER.

This course treats of the influence of the geographic factors of the physical environment on man, his industry and his needs; the production of various commodities which supply the needs of

* Resigned November, 1918.

man, and the transportation of these commodities. The course includes the treatment of the climatic factors—temperature, moisture, winds, storms, and weather—and their influence upon various soils and the production of crops; the natural resources for water supply; the effect of young and mature streams upon settlement and industry; the uses and problems of inland waterways; life on plains, plateaus, and mountains; the importance of shoreline topography in transportation; the location and growth of cities, and of state and national boundaries. Emphasis will be placed upon the influence of geographic factors in history.

Lectures and recitations. Laboratory and field work equivalent to two hours a week.

A student who has completed or is taking course 1 may take the second semester of course 3.

6. GEOGRAPHIC INFLUENCES IN THE DEVELOPMENT OF THE UNITED STATES. III.

Open to juniors and seniors who have completed course 1 or course 3, or, under special conditions, to juniors and seniors who have completed course 8 and have done work in history. Three hours a week for the first semester.

MISS FISHER.

Regional geography of the United States in its physical, economic, commercial, and historical aspects; including a study of the relation of the continent to the world as a whole, and the influence of its natural resources upon its industrial development and upon the course of American History.

7. GEOGRAPHIC INFLUENCES IN THE DEVELOPMENT OF EUROPE. III.

Open to juniors and seniors who have completed course 1 or course 3, or, under special conditions, to juniors and seniors who have completed course 8 and have done work in history. Three hours a week for the second semester.

MISS LANIER.

Regional geography of Europe in its physical, economic, commercial, and historical aspects; including a study of the relation of the continent to the world as a whole, and the influence of its natural resources upon its industrial and historical development.

9. CONSERVATION OF OUR NATURAL RESOURCES. II.

Open to juniors and seniors. To count toward a major in the department but not toward the science requirement. Three hours a week for the second semester.

MISS FISHER.

The natural resources of the United States and their influence upon national development. This course aims to study soils, forests,

mineral resources, etc.,—their exploitation and their conservation. A detailed study of the work of reducing erosion, reclaiming swamp and arid lands, and developing scientific agriculture and forestry; problems of water supply, control of water power, and use of inland waterways; questions of economic efficiency in mining processes and the use of mineral fuels and metals.

10. INDUSTRIAL AND COMMERCIAL GEOGRAPHY OF SOUTH AMERICA. II.

Open to juniors and seniors. To count toward a major in the department but not toward the science requirement. Three hours a week for the first semester.

MISS LANIER.

The physical features, climates, and resources of the continent; their effects on the development and prospects of the several countries. Special attention is given to geographic influences on trade between the United States and South America.

II. Geology

1. GEOLOGY. II.

Open to juniors and seniors, and to sophomores who have completed a year of science in college. Three hours a week for a year.

MISS PARKER.

The work of the atmosphere, rivers, glaciers, oceans, volcanoes, and earthquakes in modifying the surface of the earth. Records of the work accomplished as shown in rocks. Evolutionary development of the earth and its inhabitants as revealed in these structures and interpreted by these forces. Lectures, recitations and six field lessons during the year.

A student who has completed or is taking course 3 may take the second semester of course 1.

2. MINERALOGY. II.

Open to juniors and seniors, and to sophomores who have completed a year of science in college. Three hours a week for the first semester.

MR. LAHEE, MR. WARREN.

Lectures and laboratory work. Characteristics and origin of the more important mineral species. The course includes blow pipe analysis and crystallography. A reference collection is always available for students' use.

4. FIELD GEOLOGY. III. (Not offered in 1918-1919.)

Open to students who have completed course 1 or course 3. Three hours a week for a year.

MR. LAHEE.

Advanced field study with lectures and discussions. The aim of the course is to give students training in the methods of research

work in the field. The course involves a study of the geologic and geographic influences in eastern Massachusetts; the various important results of rock structure and glaciation; many effects of the geographic conditions on economic development; the agricultural interests in the lowlands; and the commercial and fishing activities of the seaports. The structural and topographic significance of the Boston Basin as a geographical unit will be the broad subject under consideration throughout the year.

5. PETROLOGY. II.

Open to students who have completed course 2. Three hours a week for the second semester.

MR. LAHEE, MR. WARREN.

Lectures and laboratory work. Laboratory study of the more important rock species. Igneous, sedimentary, and metamorphic rocks. The work is intended to afford the student an opportunity to become thoroughly familiar with the macroscopic characteristics of the principal rock types and the methods of petrographical study, and to enable the student to gain some acquaintance with the theories of modern petrology.

GERMAN

PROFESSOR: MARGARETHE MÜLLER.

**ASSOCIATE PROFESSORS: NATALIE WIPPLINGER, PH.D.
EMMA MARIE SCHOLL, PH.D.**

1‡. ELEMENTARY COURSE. GRAMMAR, READING, ORAL AND WRITTEN EXERCISES. I.

Open to all students. Three hours a week for a year.

MISS SCHOLL.

The texts used in this course are made the basis for a study of grammatical forms and rules, for speaking exercises and composition work. Frequent written exercises are required.

2‡. ELEMENTARY COURSE. READING, FREE REPRODUCTION, WRITTEN AND ORAL EXERCISES, SHORT THEMES, MEMORIZING OF POEMS. I.

Open to all students who have completed course 1 or the two unit admission requirement in German. Three hours a week for a year.

MISS WIPPLINGER, MISS SCHOLL.

The methods are the same as in course 1. In connection with the reading special attention is given to the learning of the more common idioms. Some pages of easy reading are required outside

† First-year German may not be counted toward the B.A. degree if taken after the sophomore year, nor second-year German if taken after the junior year. German 1 and French 1 may not both be counted toward the B.A. degree.

of the regular class assignments. Several poems are memorized. Frequent written tests or short themes are required.

Course 2 is intended to fit students to enter courses 8, 15, and 16.

5. GRAMMAR AND COMPOSITION. I.

Open to freshmen who have met the three unit admission requirement in German, and required in connection with course 10. One hour a week for a year.

MISS SCHOLL.

Review of elementary grammar and study of more advanced grammar. Bi-weekly themes; grammatical exercises based on texts read in course 10.

6. GRAMMAR AND PHONETICS. III. (Not offered in 1918-1919.)

Open to juniors and seniors who have completed at least three hours of grade II. Two hours a week for a year.

Systematic study of German Grammar. Elements of phonetics (Bühnendeutsch). Exercises in oral and written expression. Discussion of methods of teaching German.

This course is designed especially for those intending to teach German.

8. GRAMMAR AND COMPOSITION. II.

Open to sophomores, juniors, and seniors who have completed course 2 or equivalent, and required of those taking courses 15 and 16. One hour a week for a year.

MISS WIPPLINGER.

The aim of this course is to give the student practice in oral and written expression. Bi-weekly themes; grammatical exercises based on the material treated in courses 15 and 16.

9. HISTORY OF THE GERMAN LANGUAGE. III.

Open to juniors and seniors who have completed three hours of grade II, and are taking other work in German. One hour a week for a year.

MISS WIPPLINGER.

This course aims to give a fuller and more thorough understanding of modern German through the study of its historical development. Text-book: Behagel's *Die deutsche Sprache*.

10. OUTLINE HISTORY OF GERMAN LITERATURE. I.

Open to freshmen who have met the three unit admission requirement in German, and required in connection with course 5. Two hours a week for a year.

MISS SCHOLL.

The object of this course is to furnish the student with the vocab-

ulary necessary for the reading and discussion of literature, and to give her a general historical background for the more detailed study of German literature in subsequent courses. Texts used: Maria Stuart, Wenckebach's *Meisterwerke*, Goethe's *Dichtung und Wahrheit* (Jagemann).

11. GOETHE'S LIFE AND WORKS (Introductory Course). II.

Open to students who have completed course 22. Three hours a week for the second semester.

MISS MÜLLER.

Lectures, discussions. Study of the principal characteristics of Goethe's life and works to the time of his literary co-operation with Schiller. Works discussed in class: *Götz von Berlichingen*, *Iphigenie*, selected poems (Goebel). Interpretation of "Storm and Stress" in connection with *Götz*, of German classicism in connection with *Iphigenie*. Supplementary discussion of some of the following: Goethe's *Briefe* (Langewiesche), *Dichtung und Wahrheit*, Euripides' *Iphigenie*, Boyesen's *Life of Goethe*.

12. NINETEENTH CENTURY DRAMA. III.

Open to juniors and seniors who have completed course 31. Three hours a week for the second semester.

MISS SCHOLL.

Special study of Kleist, Grillparzer, Otto Ludwig, Hebbel, Ibsen, Hauptmann, Sudermann, and others; their relation to classic and romantic art, and to the social and philosophical problems of the century.

13. THE GERMAN NOVEL. III.

Open to juniors and seniors who have completed or are taking three hours of grade II. Two hours a week for a year.

MISS MÜLLER.

Lectures on the historical development of the German novel before Goethe. Special study of some of the representative novels by Goethe, Eichendorff, Freytag, Spielhagen, Keller, Storm, Sudermann, and others, illustrative of certain important phases of German *Kulturgeschichte*.

14. THEORY OF THE DRAMA, ILLUSTRATED BY CLASSIC AND MODERN DRAMAS. III. (Not offered in 1918-1919.)

Open to seniors who have completed three hours of grade III, and to others by special permission. Three hours a week for the first semester.

MISS SCHOLL.

Study of the historical development and the technique of the Greek, modern classic, romantic, social and naturalistic drama,

based on the theories of Aristotle, Lessing, Hebbel, Freytag, Volkelt and other modern theorists.

15. HISTORY OF GERMAN LITERATURE. II.

Open to sophomores, juniors, and seniors who have completed course 2 or equivalent, and required in connection with course 8. Two hours a week for the first semester.

MISS WIPPLINGER.

The course consists of discussions, reading and occasional lectures on the history of German Literature before Goethe. The aim of the course is to trace the parallel development of the language, literature, social conditions, and religious ideals of the times. Works read and discussed are: the *Hildebrandslied*, selections from the *Nibelungenlied*, the works of Wolfram, Gottfried, Hartmann, the Minnesingers and the Meistersingers, *Volkslied*, selections from Luther, Hans Sachs,—all according to Wenckebach's *Meisterwerke*. Occasional reference to Scherer's and Vogt and Koch's *Geschichte der deutschen Literatur*.

16. HISTORY OF GERMAN LITERATURE. II.

Open to sophomores, juniors, and seniors who have completed course 15, and to others by permission of the department; required in connection with course 8. Two hours a week for the second semester.

MISS WIPPLINGER.

The course is a continuation of course 15; the methods and aims are the same. Chief topic: the classical period in German literature, with special emphasis on Lessing, Herder, Schiller, Goethe.

17. MIDDLE HIGH GERMAN (Introductory Course). III. (Not offered in 1918-1919.)

Open to juniors and seniors who have completed at least three hours of grade II. Three hours a week for the second semester.

MISS WIPPLINGER.

Survey of Middle High German forms and sounds. Translation of Middle High German epic and lyric poetry into the modern idiom.

18. THE GERMAN ROMANTIC SCHOOL. III.

Open to juniors and seniors who have completed course 31. Three hours a week for the second semester.

MISS WIPPLINGER.

A study of the development and spirit of the German Romantic School. Outside reading assigned from the following reference books: Haym, Brandes, Beers, on Romanticism; R. Huch, *Blütezeit*

der Romantik; Hillebrandt's *Lectures on German Thought*; Boyesen, *Essays*; Heilborn, *Novalis*. Class work is based on the works of Friedrich Schlegel, Novalis, Tieck, Chamisso, Eichendorff, Heine, and others.

19. LESSING AS DRAMATIST AND CRITIC (Seminary Course). III.

Open to seniors who have completed three hours of grade III, and to others by special permission. Three hours a week for the first semester.

MISS MÜLLER.

Treatment of Lessing's critical work in literature, theology and æsthetics. Works read and discussed are: *Laokoon*, *Hamburgische Dramaturgie*, *Minna von Barnhelm*, *Emilia Galotti*, *Axiomata*, *Anti-Götze*, *Nathan der Weise*, *Erziehung des Menschengeschlechts*. Reference books: Erich Schmidt's *Lessing*, Kuno Fischer's *Lessing als Reformator der deutschen Literatur*, Kuno Fischer's *Lessing's Nathan*, and others.

20. SCHILLER AS PHILOSOPHER AND WRITER ON AESTHETICS (Seminary Course). III.

Open to seniors who have completed course 22 and at least three hours of grade III. Three hours a week for the first semester.

MISS WIPPLINGER.

Study of Schiller through his correspondence with Körner, Goethe, etc., and his philosophic-aesthetic poems and essays. These are read and discussed in class.

22. SCHILLER'S LIFE AND WORKS (Introductory Course). II.

Open to students who have completed courses 5 and 10, or 8, 15 and 16. Three hours a week for the first semester.

MISS SCHOLL.

Lectures, discussions. Study of Schiller's life and some of his important dramatic works. Texts: Boyesen's Schiller's Life; *Die Räuber* (Cotta); *Wallenstein* (Carruth); Schiller's *Gedichte* (Cotta); Schiller's *Briefe* (Kühnemann).

26. GOTHIC. III. (See Department of Comparative Philology, Course 6.) (Not offered in 1918-1919.)

Open to graduates and to seniors by permission of the instructor. Three hours a week for the second semester.

MISS WIPPLINGER.

27. GERMAN LYRICS AND BALLADS. II.

Open to students who have completed courses 5 and 10, or 8, 15 and 16, and are taking other work in German. One hour a week for a year.

MISS SCHOLL.

Historical study of *Minnegesang*, *Volkslied*, and the principal lyric poets up to the present day.

30. STUDIES IN MODERN GERMAN IDIOM. II. (Not given in 1918-1919.)

Open to students taking other work in German, who have completed courses 5 and 10, or 8, 15 and 16, and by special permission to those who have completed course 2. One hour a week for a year.

This course is designed to aid the student in acquiring a larger working vocabulary. Modern German texts are used as a basis of study. Constant oral and frequent written practice.

31. GOETHE'S FAUST, PART I. III.

*Open to juniors and seniors who have completed courses 11 and 22
Three hours a week for the first semester.*

MISS MÜLLER.

Study of the pre-Goethean development of the *Faust* legend in its more important literary forms. Close study of the text of Goethe's *Faust*, Part I. Collateral readings and reports on the relation of the poem to Goethe's life and times. Part II will be treated in a few final lectures.

32. GOETHE, ADVANCED COURSE (Seminary Course). III.

Open to seniors who have completed course 31 and at least one other three-hour semester course of grade III; students not taking course 31 till the senior year, may by special permission enter course 32. Three hours a week for the second semester.

MISS MÜLLER

Study of Goethe's lyrics, ballads, later dramas, parts of *Faust II*, and other works. Collateral reading in the *Goethe Jahrbuch*, and from Eckermann, Gräf, Harnack, and others. Consideration of Goethe's relation to other literatures, etc.

NOTE.—The language of the class room in all courses is almost exclusively German. The student thus has constant practice in hearing, speaking, and writing German.

GREEK

PROFESSORS: ANGIE CLARA CHAPIN, M.A.
KATHARINE MAY EDWARDS, PH.D.

1. PLATO: APOLOGY AND SELECTIONS FROM OTHER DIALOGUES; HOMER: ODYSSEY (six or seven books); EURIPIDES: ONE DRAMA. I.

Open to students who have met the three unit admission requirement, or who have completed course 14. Three hours a week for a year.

MISS EDWARDS.

2. PLATO: PHAEDO; REPUBLIC (selections); EURIPIDES: ONE OR TWO DRAMAS; ARISTOPHANES: CLOUDS. II. (Not offered in 1918-1919.)

Open to students who have completed course I and to others by permission of the department. Three hours a week for a year.

MISS CHAPIN.

3. GREEK HISTORIANS. II.

Open to students who have completed course I. Three hours a week for a year.

MISS EDWARDS.

Special study of the history of Greece in the fifth century from Herodotus and Thucydides. The content of the course will vary in alternate years.

In 1918-1919 the emphasis will be upon the development of the Athenian empire and the Peloponnesian war, with readings from Thucydides, Plutarch's Pericles, and Aristophanes' Acharnians, and a few of the more important historical inscriptions.

In 1919-1920 the emphasis will be upon the Persian wars, with readings from Herodotus, Plutarch's Themistocles, and Æschylus' Persians.

4. ORIGIN AND DEVELOPMENT OF GREEK DRAMA. III.

Open to students who have completed course 2 or 3 and to others by permission of the department. Three hours a week for a year.

MISS CHAPIN.

Aristotle's Theory of Tragedy. Reading and criticism of selected dramas; Æschylus: *Prometheus*; Sophocles: *Oedipus Tyrannus*, *Antigone*; Euripides: *Bacchæ* or *Troades*; Aristophanes: *Frogs* (selections). A study of all the extant plays of Æschylus and Sophocles is made by special topics.

5. HISTORY OF GREEK POETRY. III. (Not given in 1918-1919.)

Open to students who have completed one full course of grade III. Three hours a week for a year.

MISS CHAPIN.

Lectures and readings; Homeric Hymns; Hesiod: *Works and Days*; Elegiac and Melic poetry; Pindar (selections); Bacchylides (selections); Theocritus (selections).

7. GREEK DIALECTS. III. (Not offered in 1918-1919.)

Open to students who have completed one full course of grade III. Three hours a week for a year.

MISS EDWARDS.

A comparative study of the Greek dialects, their characteristics and their relations to each other, with reading and study of inscriptions and selected texts.

8. HISTORY OF GREEK LITERATURE IN ENGLISH TRANSLATIONS. II.

Open to juniors and seniors, and to sophomores who have completed one full course in Greek, or Art, or English Literature. One hour a week for a year.

MISS CHAPIN.

Lectures with readings (in translation) from the principal authors from Homer to Theocritus, with emphasis upon the Greek drama. One paper may be required on each semester's work.

The course aims to give such a survey of the development of Greek literature as will show the influence of Greek thought upon all succeeding literature and art.

9. MODERN GREEK. III. (Not offered in 1918-1919.)

Open to students who have completed course 2 or 3. One hour a week for a year.

MISS EDWARDS.

The course has two objects: first, a practical one, to give some acquaintance with the spoken and written Greek of to-day; second, a linguistic one, to trace the historical development of the language from classical times to the present.

11. GREEK SYNTAX AND PROSE COMPOSITION. II. (Not offered in 1918-1919.)

Open to students who have completed course 1. One hour a week for a year.

This course is especially recommended to those intending to teach Greek.

12. HOMERIC SEMINARY. III. (Not offered in 1918-1919.)

Open to students who have completed one full course of grade III. Three hours a week for a year.

MISS EDWARDS.

Critical study of selected portions of the *Iliad*, with discussions and lectures on special problems of Homeric grammar and antiquities, supplemented by the private reading of the greater part of the *Iliad*.

13. BEGINNING GREEK. I.

Open to all students. Three hours a week for a year.

MISS EDWARDS.

The aim of the course is to cover in one year the fundamental facts of Greek grammar with practice in reading and writing. The text-book is Allen's First Year in Greek. The selections are largely from Plato.

14. SECOND YEAR GREEK. I.

Open to students who have completed course 13 or its equivalent. Three hours a week for a year.

MISS EDWARDS.

Plato: selections; Homer: Iliad, three books; practice in reading at sight and in writing Greek.

For additional courses see Comparative Philology and Classical Archæology.

For courses in the study of Greek Testament see Biblical History.

HISTORY

PROFESSORS: ELIZABETH KIMBALL KENDALL, M.A., LL.B.

JULIA SWIFT ORVIS, PH.D.

MABEL ELISABETH HODDER, PH.D.

ASSOCIATE PROFESSOR: EDNA VIRGINIA MOFFETT, PH.D.

ASSISTANT PROFESSOR: EDWARD ELY CURTIS, PH.D.

INSTRUCTORS: LOUISE HORTENSE SNOWDEN,¹³ B.S.

JUDITH BLOW WILLIAMS, PH.D.

ALICE MARGARET HOLDEN, M.A.

MARGARET BANCROFT, M.A.

1‡. POLITICAL HISTORY OF ENGLAND TO 1485. I.

Open to freshmen, sophomores, and juniors, and to seniors who have taken no college course in History. Three hours a week for the first semester.

MISS KENDALL, MISS WILLIAMS.

2‡. POLITICAL HISTORY OF ENGLAND FROM 1485 TO THE PRESENT TIME. I.

Open to sophomores, juniors, and seniors as above, and to freshmen who have completed course 1, or who offered English History as an admission subject. Three hours a week for the second semester.

MISS KENDALL, MISS WILLIAMS.

The aim of these courses is to train students in the use of historical material and in dealing with historical problems. Emphasis is laid on the political, social, and industrial conditions which have developed the England of to-day.

3‡. HISTORY OF WESTERN EUROPE FROM THE FIFTH CENTURY TO THE TREATIES OF WESTPHALIA. I.

Open to all undergraduates. Three hours a week for a year.

MRS. HODDER, MISS WILLIAMS, MISS BANCROFT.

A general survey of the history of Western Europe from the decline of Rome to the middle of the seventeenth century. Em-

¹³ Absent on leave in foreign service.

‡ Courses 1 and 2, or course 3, or course 10 are prerequisite to later election.

phasis is laid upon such topics as: the mediæval Empire, the Papacy, feudalism, monasticism, the Crusades, the rise of towns, Hundred Years' War, mediæval and Renaissance life and culture, the Reformation, and the beginnings of modern nationalities. The course aims to train students in methods of historical work and to furnish a background for the detailed study of particular periods.

4. HISTORY OF EUROPE SINCE THE FRENCH REVOLUTION. II.

Open to sophomores, juniors, and seniors who have completed one full course in History. Three hours a week for a year.

MISS ORVIS.

This course involves (1) an introductory discussion of the condition of France on the eve of the revolution; (2) a detailed study of the progress of the revolution and of the reaction against democratic tyranny culminating in imperialism; (3) an inquiry into the influence of revolutionary ideas in the subsequent history of France, Germany, Austria, Italy, and Russia.

5. CONSTITUTIONAL HISTORY OF ENGLAND TO 1399. II. (Not offered in 1918-1919.)

Open to students who have completed one full course in history. Three hours a week for the first semester.

MISS MOFFETT.

A study of the development of English constitutional government as an expression of the character of the English people. The course deals with the Germanic origins, and with the development of English thought along constitutional lines to the close of the Plantagenet period.

6. CONSTITUTIONAL HISTORY OF ENGLAND FROM 1399 TO THE PRESENT TIME. II. (Not offered in 1918-1919.)

Open to students who have completed one full course in History. Three hours a week for the second semester.

MISS MOFFETT.

A study of the later development of the English constitution, the rise of party and cabinet government, and the actual working of the constitution to-day.

7. HISTORY OF THE UNITED STATES FROM 1787. III.

Open to juniors and seniors who have completed one full course and have completed or are taking a second course in History. Three hours a week for a year.

MR. CURTIS.

A study of the formation and development of the constitution of the United States, with special reference to controlling forces,

such as the organization of parties, the growth of democracy, the rise of the slave power, the political effects of the development of the West.

8.† EUROPE IN THE FIFTEENTH CENTURY. III.

Open to juniors and seniors who have completed two full courses in History, or course 3 or 10 and two courses in Art. Three hours a week for a year.

MISS MOFFETT.

A study of the intellectual, religious, and social life of the fifteenth century, and of the institutions and movements which were its outcome.

9. DIPLOMATIC HISTORY OF EUROPE SINCE 1740. III.

Open to juniors and seniors who have completed two full courses in History. Three hours a week for a year.

MISS ORVIS.

This includes (1) a review of the period 1648-1740; (2) the Age of Frederick II; (3) a brief survey of the Revolutionary and Napoleonic period; (4) the Age of Bismarck and its results.

10. MEDIEVAL LIFE AND INSTITUTIONS. I.

Open to all undergraduates. Three hours a week for a year.

MISS MOFFETT.

The course deals with the history of Europe to the close of the fourteenth century. It emphasizes those phases of mediæval life which have left the strongest impress upon modern times. A few mediæval sources are read at first hand, and some of the great personalities whose work is still vital are studied as carefully as time allows. The aim of the course will be to show the points of contact and of difference between the mediæval spirit and the modern, and to serve as a foundation for courses dealing with later periods, or as a background for the study of mediæval art or literature.

11. HISTORY OF POLITICAL INSTITUTIONS. III.

Open to juniors and seniors who have completed two full courses in History. Three hours a week for a year.

MISS KENDALL.

This is an introductory course in the comparative study of the origin, character, development, and aim of political institutions.

† History 8 and History 16 will not both be given in the same year.

‡ Courses 1 and 2, or course 3, or course 10 are prerequisite to later election.

12. GROWTH OF THE BRITISH EMPIRE. III. (Not offered in 1918-1919.)

Open to juniors and seniors who have completed two full courses in History. Three hours a week for the second semester.

MISS KENDALL.

This course includes (1) a historical review of the development of the empire; (2) a study of the changes of colonial policy; (3) a study of colonial administration; and (4) a discussion of present colonial problems.

13. HISTORY OF ROME. II.

Open to sophomores, juniors, and seniors who have completed one college course in History, or who are giving special attention to Latin. Three hours a week for a year.

MRS. HODDER.

This course offers a general survey of Roman History through the reign of Diocletian. The attempt is made to present the problems of recent scholarship in the study of the earlier period, but the main emphasis is placed upon the later Republic and the Empire. Particular attention will be given to the economic and social conditions, and to the development of the Roman system of government.

14. AMERICAN HISTORY. II.

- a. Age of Discovery and Conquest.
- b. The American Revolution.

Open to sophomores, juniors, and seniors who have completed or are taking a full course in History. Three hours a week for a year.

MR. CURTIS.

In the first semester the discovery and exploration of the American continents by the Spanish, English, and French will be treated in detail, to be followed by a study of the contest between the European powers for control in the New World. The second semester will be devoted to a careful consideration of the American Revolution, especial attention being given to the European aspect of the struggle between England and her colonies.

15. INTERNATIONAL POLITICS. II.

Open to all seniors and to juniors who have completed or are taking a full course in History. One hour a week for a year with an additional appointment in alternate weeks. To count as one and one-half hours.

MISS KENDALL.

The object of this course is to give a general view of international conditions since the close of the Bismarck period, with especial reference to the present relations of Europe, America, and Asia.

- 16†. EUROPE IN THE SIXTEENTH CENTURY. III. (Not offered in 1918-1919.)

Open to juniors and seniors who have completed two full courses in History. Three hours a week for a year.

MISS MOFFETT.

A continuation of course 8, though the latter is not a prerequisite.

A brief introductory survey of conditions in the fifteenth century is followed by a more detailed study of the sixteenth, its great movements, and its great personalities.

17. POLITICAL HISTORY OF RUSSIA FROM THE EARLIEST TIMES TO THE PRESENT. II.

Open to all seniors and to juniors who have completed or are taking another course in History. Three hours a week for the second semester.

MISS ORVIS.

This course includes a study of (1) the forces which have made Russia a world power, (2) the development and policy of the autocracy, and (3) the struggle for freedom culminating in the revolution of 1917.

18. ENGLAND IN THE FOURTEENTH AND FIFTEENTH CENTURIES. II. (Not offered in 1918-1919.)

Open to sophomores, juniors, and seniors who have completed one college course in History, or who are giving especial attention to English Literature or Economics. Three hours a week for a year.

MRS. HODDER.

A study of the political, intellectual, and industrial changes in England in the two centuries of transition from mediæval to modern times.

19. GEOGRAPHY OF EUROPEAN HISTORY. II.

Open to all seniors and to juniors and sophomores who have completed one college course in History. Three hours a week for the first semester.

MISS MOFFETT.

The institutions, economic and social conditions, and political history of some parts of Europe will be briefly studied in connection with their topography. Besides the study of the more important changes of boundaries, the course will attempt to strengthen the connection between *events* and *localities*, and to give a clearer conception of the scene of events already studied, or to be studied, in other courses in European History.

† History 8 and History 16 will not both be given in the same year

20. POLITICS OF EASTERN EUROPE. II. (Not offered in 1918-1919.)

Open to all seniors and to juniors who have completed or are taking another course in History. One hour a week for a year.

MISS ORVIS.

The object of this course is to give a general view of Eastern European conditions since the close of the Age of Bismarck.

21. SELECTED STUDIES IN AMERICAN HISTORY. III.

Open to juniors and seniors who have completed two full courses in History. Three hours a week for a year.

MR. CURTIS.

This is a course in the history of American foreign relations. It deals with the most significant diplomatic problems which have arisen as the result of war, westward expansion, the growth of foreign commerce, immigration, and the acquisition of colonial possessions. The origin of important treaties, the development of the Monroe Doctrine, the evolution of the United States as a world power will be traced.

22. ENGLAND UNDER THE TUDORS AND STUARTS. III.

Open to juniors and seniors who have completed two full courses in History. Three hours a week for a year.

MRS. HODDER.

This course deals with the religious and constitutional struggles in the sixteenth and seventeenth centuries, with economic and social changes, with international relations, and with the founding of the British Empire.

23. CONSTITUTIONAL GOVERNMENT. II.

Open to juniors and seniors who have completed either courses 1 and 2 or course 3, or Economics 1 or 15. Three hours a week for a year.

MISS HOLDEN.

This is an introductory course dealing with comparative modern governments. In the first semester the governments of Great Britain, France, Italy, and Germany are studied as a basis for comparison with the government of the United States, on which the second semester is spent. Throughout the course, special attention is given to the practical working of governments, to modern political tendencies, and to the relations of the individual to the government. An aim of the course is to prepare students for intelligent and effective citizenship.

HYGIENE

DIRECTOR: ROXANA HAYWARD VIVIAN, PH.D.,
PROFESSOR OF MATHEMATICS.

PROFESSOR: WILLIAM SKARSTROM, M.D.

ASSOCIATE PROFESSORS: EUGENE CLARENCE HOWE, PH.D.
JULIA ELEANOR MOODY, PH.D.,
ASSOCIATE PROFESSOR OF ZOOLOGY.

ASSISTANT PROFESSORS: SARAH RUSSELL DAVIS.
FRANKLIN CHARLES FETTÉ, M.A.

INSTRUCTORS: EDNA BARRETT MANSFIELD.
MARGARET JOHNSON.
ELIZABETH HALSEY, PH.B.
MARY SOPHIE HAAGENSEN.
WILLIAM HARDEN CHAPMAN, B.A.

ASSISTANTS: FANNY GARRISON, B.A.
ANNIE CHAPIN STEDMAN.

RECORDER: RUTH FARISH REYNOLDS, B.A.

LIBRARIAN: SUSAN GREY AKERS, B.A.

CURATOR: ANNA ELIZABETH ANDERSON.

I. Courses Prescribed for the Certificate of the Department

(1) A two years' course leading to the certificate of the Department of Hygiene is offered to special students. This course is especially designed for the training of teachers of hygiene. In order to be admitted to this course, candidates must be without organic disease or serious functional disorder. A keen sense of rhythm is necessary. This course is open only to those who already hold the Bachelor's degree either from Wellesley College or from some other college. In September, 1919, and thereafter, candidates for this course must offer both Chemistry and Physics. Previous courses in Psychology, Education, and General Biology are desirable.

(2) A five years' course is offered leading to the B.A. degree and the certificate of the Department of Hygiene. This course is open only to candidates for the B.A. degree in residence at Wellesley College. In general students in this course receive the B.A. degree at the end of the fourth year and complete in the fifth year the work required for the certificate of the Department of Hygiene. The following courses count toward the Bachelor's degree: course 1, three hours; course 13, three hours.

1. KINESIOLOGY.

Required of all first-year students. Three hours a week for a year.

DR. SKARSTROM.

Lectures and demonstrations dealing with the anatomical mechanism of movements: the rôle of joint motion, muscular action, gravity, leverage, inertia and internal resistance in the production and modification of gymnastic movements and their effects, as contrasted with "natural" movements.

This course counts three hours towards the Bachelor's degree.

2. GYMNASTICS.

Required of all first-year students. Five hours a week for a year.

DR. SKARSTROM, MISS HALSEY.

3. CORRECTIVE GYMNASTICS AND MASSAGE.

Required of all first-year students. Two hours a week for the second semester.

MISS DAVIS.

4. FOLK DANCING.

Required of all first-year students. One hour a week for a year.

MISS MANSWIP, MISS JOHNSON.

5. NORMAL INSTRUCTION.

Required of all first-year students. Three hours a week for a year.

DR. SKARSTROM, MISS HALSEY.

6. DANCING.

Required of all first-year students. One hour a week for a year.

MISS MANSWIP, MISS JOHNSON.

7. ATHLETIC SPORTS.

Required of all first-year students. Three hours a week in the fall; eight hours in the spring.

MR. FETTÉ, MISS DAVIS,
MISS MANSWIP, MISS HALSEY.

8. SWIMMING. (Not offered in 1918-1919.)**25. THEORY OF PLAY, ORGANIZATION OF PLAYGROUNDS AND ATHLETICS.**

Required of all first-year students. Three hours a week for the first semester.

MR. FETTÉ.

27. PERSONAL HYGIENE.

Required of all first-year students. One hour a week for the first semester.

MR. HOWE.

A conservative exposition of the regulation of the environmental conditions of health, and of the guidance of adaptation to these conditions.

30. PRACTICE OF PLAY.

Required of all first-year students. One hour a week for a year.

MR. FETTÉ.

35. REMEDIAL GYMNASTICS.

Required of all first-year students. Three hours a week for the second semester.

MISS HAAGENSEN.

36. PHYSIOLOGY OF DEVELOPMENT. (Not given in 1918-1919.)

Some of the forces and conditions of individual growth and of race development.

39. ANATOMY (Zoology 11).

Required of all first-year students. Two hours a week for a year.

MISS MOODY.

Lectures and laboratory work upon the anatomy of the muscles, viscera, and circulatory and nervous system. Elements of histology.

9. THEORY OF PHYSICAL EDUCATION AND METHODS OF TEACHING.

Required of all second-year students. Three hours a week for a year.

DR. SKARSTROM.

The purpose of this course is: (1) to discuss the purposes, scope, and ideals of physical education; (2) to study the character, selection, classification, arrangement, and progression of gymnastic exercises; (3) a systematic study of the principles and technique of teaching gymnastics.

10. GYMNASTICS.

Required of all second-year students. Four hours a week for a year.

DR. SKARSTROM, MISS HALSEY.

11. SYMPTOMATOLOGY AND EMERGENCIES. (Not offered in 1918-1919.)

12. HISTORY OF PHYSICAL EDUCATION. ORGANIZATION AND ADMINISTRATION OF PLAYGROUNDS.

Required of all second-year students for 1918-1919 only. Three hours a week for the second semester.

MR. FETTÉ.

The object of this course is: (1) To give the student a connected outline of the rise and development of physical education as a science, to impress the importance of national health through a survey of the causes of success and failure in ancient peoples, and to emphasize the relation of the teacher to the movement for national health to-day. Lectures and assigned reading.

(2) To give the student an understanding of the development of the playground and recreation movement and its relation to Community Health, and to give a brief survey of the latest methods of meeting these needs. Lectures, assigned reading, and playground observation.

(3) Discussion of methods of coaching and the management of Field and Track Athletics, the organization and administration of group tests and competition.

13. PHYSIOLOGY.

*Required of all first-year students. Three hours a week for a year.
(Required of all second-year students in 1918-1919.)*

MR. HOWE.

Human physiology with special emphasis on its application in personal hygiene and in physical education. Three lectures and one laboratory appointment of three periods.

This course counts three hours towards the Bachelor's degree.

14. PRACTICE TEACHING.

Required of all second-year students.

DR. SKARSTROM, MR. FETTE,
MISS MANSWIP, MISS HALSEY.

This is given in the college classes and the public schools of Wellesley.

15. THEORY AND PRACTICE OF STORY PLAYS AND RHYTHM TRAINING.

Required of all second-year students. One hour a week for the first semester.

MISS HALSEY.

16. FOLK DANCING.

Required of all second-year students. One hour a week for a year.

MISS MANSWIP, MISS JOHNSON.

17. CORRECTIVE GYMNASTICS.

Required of all second-year students. Two hours a week from November until May.

MISS DAVIS.

Practice in the college clinic for students needing remedial work.

18. OUTDOOR GAMES AND SPORTS.

Required of all second-year students. Eight hours a week in the fall, six hours a week in the spring.

MR. FETTE, MISS DAVIS, MISS MANSWIP,
MISS HALSEY, MISS GARRISON.

19. ANTHROPOMETRY.

Required of all second-year students. One hour a week for the second semester.

MISS DAVIS.

Students acquire skill in the use of anthropometric instruments, in recording and filing, and in solving problems presented by the data thus secured.

20. DANCING.

Required of all second-year students. Two hours a week for a year.

MISS MANSWIP, MISS JOHNSON.

Classic dancing.

33. PRACTICE IN TEACHING AESTHETIC, SOCIAL AND FOLK DANCING,
AND LECTURES ON THE RELATION OF MUSIC TO DANCING.

Required of all second-year students. One hour a week for a year.

MISS MANSWIP, MISS JOHNSON.

37. PRINCIPLES OF HUMAN BEHAVIOR AS APPLIED IN PROBLEMS OF PHYSICAL EDUCATION.

Required of all second-year students. Two hours a week for a year.

MR. CHAPMAN.

A course in the study of the principles of human behavior bearing on problems in physical education. The purpose of the course is to demonstrate the relation of education to the growth of the individual in both body and mind.

38. SCHOOL HEALTH PROBLEMS.

Required of all second-year students. One hour a week for the first semester.

MR. HOWE.

Public health and sanitary science with special reference to school conditions. Training in teaching hygiene.

II. Courses open to all Undergraduates

Two hours in Hygiene are prescribed for the degree. One hour of this requirement is met by course 29; the second hour is met by four periods of practical work, two periods per week in the freshman year (course 21) and two in the sophomore year (course 22).

By special permission courses 23, 24 and 34 may be substituted for the indoor work of courses 21 and 22. Courses 23 (except as noted below), 26, 31, and 34 (except as noted below) do not count toward the degree.

29. PERSONAL HYGIENE. I.

Required of freshmen. One hour a week for a year.

MR. HOWE, MISS HALSEY.

Stress is laid (1) on the applicability of hygienic practice in the immediate situations of college life, and (2) on the development of habits of posture and movement as a phase of education. The underlying physiology is reduced to the least amount needed for scientific justification of the practice of personal hygiene.

21. GYMNASTICS AND OUTDOOR SPORTS.

Required of all freshmen. Two hours a week for a year, counting one-half hour toward the degree.

MR. FETTÉ, MISS DAVIS, MISS MANSWIP,
MISS JOHNSON, MISS HALSEY AND ASSISTANTS.

Outdoor work in the fall and spring terms—organized sports. This part of the course is designated as 21 f.s. (fall, spring—see course 28).

Indoor work in the winter term—gymnastics. This part of the course is designated as 21 w. (winter). Students needing remedial work will substitute course 24 or 34 for the indoor gymnastics.

22. GYMNASTICS AND OUTDOOR SPORTS.

Required of all sophomores who have completed course 21. Two hours a week for a year, counting one-half hour toward the degree.

MR. FETTÉ, MISS DAVIS, MISS MANSCHIP,
MISS JOHNSON, MISS HALSEY AND ASSISTANTS.

Advanced work on topics as in course 21. The outdoor work of this course is designated as 22 f.s. (fall, spring—see course 28), and the indoor work as 22 w. (winter). Students needing corrective or remedial work will substitute course 24 or 34 for the gymnasium practice of this course.

24. CORRECTIVE GYMNASTICS.

Required in place of the indoor work of courses 21 and 22 in the case of all freshmen and sophomores whose physical examination indicates the need of corrective work.

MISS DAVIS AND ASSISTANTS.

23. GYMNASTICS.

Open to juniors and seniors who have completed courses 21 and 22 or their equivalent, and, by permission of the instructor, open to freshmen and sophomores who have had an equivalent of courses 21 and 22 and who meet the requirements of the department. Two hours a week from November until May.

DR. SKARSTROM, MISS JOHNSON, AND ASSISTANTS.

26. DANCING (Advanced Course).

Open to students who have completed 31 or an equivalent. One hour a week from November until May.

MISS MANSCHIP, MISS JOHNSON.

28. ORGANIZED SPORTS.

Archery, baseball, basket ball, golf, field hockey, horseback riding, rowing, running, and tennis.

Two hours a week in the fall and spring terms. See courses 21 and 22.

MR. FETTÉ, MISS DAVIS, MISS MANSCHIP, MISS JOHNSON,
MISS HALSEY, MISS GARRISON, AND FIELD INSTRUCTORS.

31. DANCING (Elementary Course).

Open to students who have had no previous training. One hour a week from November until May.

MISS MANSCHIP, MISS JOHNSON.

34. REMEDIAL GYMNASTICS.

Required in place of the indoor work of courses 21 and 22 in the case of all freshmen and sophomores whose physical examinations indicate the need of remedial work. This course is open also to juniors and seniors. A fee may be charged for this course.

MISS HAAGENSEN, MISS GARRISON,

ITALIAN

PROFESSOR: MARGARET HASTINGS JACKSON.²

INSTRUCTOR: LOUISE STELLA WAITE.

1‡. ELEMENTARY COURSE. I.

Open to freshmen who offer French and German for admission and to sophomores, juniors, and seniors. Three hours a week for a year.

MISS WAITE.

Grammar with written and oral exercises; reading and sight translation. Conversation.

2. INTERMEDIATE COURSE. II. (Not offered in 1918-1919.)

Open to students who have completed course I or equivalent. Three hours a week for a year.

MISS JACKSON.

Grammar, prose composition; reading and translation at sight; in the first semester from modern authors, in the second semester from classic authors.

3. HISTORY OF ITALIAN LITERATURE IN THE THIRTEENTH AND FOURTEENTH CENTURIES. EMPHASIS ON DANTE. III. (Not offered in 1918-1919.)

Open on consultation with the instructor to juniors and seniors who have a reading knowledge of Italian. Three hours a week for a year.

MISS JACKSON.

*Selections from the *Vita Nuova* and the *Divina Commedia* of Dante. The Sonnets of Petrarch and the Tales of Boccaccio will be read in the original.*

4. HISTORY OF ITALIAN LITERATURE IN THE NINETEENTH CENTURY. III. (Not offered in 1918-1919.)

Open to students who have completed courses I and 2 or equivalents. Three hours a week for a year.

MISS JACKSON.

5. DANTE AND THE EARLY ITALIAN RENAISSANCE. ENGLISH COURSE. II. (Not offered in 1918-1919.)

Open to juniors and seniors. Three hours a week for a year.

MISS JACKSON.

*First semester: Dante's *Divine Comedy* (in English) and the conditions of the age which produced it. Second semester: The early*² Absent on Sabbatical leave in foreign service.[†] This course if taken in the senior year may not count within the minimum number of hours prescribed for a degree.

Italian Renaissance as expressed in the works of Petrarch, Boccaccio. A knowledge of Italian is not required.

NOTE.—The Dante Society offers an annual prize of one hundred dollars for the best essay on a subject drawn from the life or works of Dante. The competition is open to students or graduates of not more than three years' standing from colleges or universities in the United States. For subjects and conditions consult page 292 of the Harvard University Catalogue, 1917-1918.

7. ITALIAN PROSE WRITERS OF THE FIFTEENTH AND EARLY SIXTEENTH CENTURIES. III. (Not offered in 1917-1918.)

Open on consultation with the instructor to juniors and seniors who have a reading knowledge of Italian. Three hours a week for the first semester.

MISS JACKSON.

Selections from the works of Macchiavelli, Castiglione, Savonarola and other writers of the period will be read in the original.

8. ITALIAN POETS OF THE FIFTEENTH AND EARLY SIXTEENTH CENTURIES. III. (Not offered in 1918-1919.)

Open on consultation with the instructor to juniors and seniors who have a reading knowledge of Italian. Three hours a week for the second semester.

MISS JACKSON.

Selections from Poliziano, Lorenzo de' Medici, Boiardo, Ariosto, Michael Angelo, Vittoria Colonna will be read in the original.

While courses 7 and 8 are continuous, one being the complement of the other, they may be elected separately.

9. LITERATURE OF THE ITALIAN RENAISSANCE. III. (Not offered in 1918-1919.)

Open on consultation with the instructor to graduate students who have a reading knowledge of Italian. Three hours a week for a year.

MISS JACKSON.

It is not the intention of the instructor to cover the entire period of the Renaissance but to treat of certain aspects only, the work to adjust itself to the needs of the individual student. Under the supervision of the instructor the student will choose some author, or phase, or problem, of Italian Literature for special study, reporting thereon weekly.

LATIN

**PROFESSORS: ADELINE BELLE HAWES, M.A.
ALICE WALTON, PH.D.**

ASSOCIATE PROFESSOR: CAROLINE REBECCA FLETCHER, M.A.

INSTRUCTOR: ANNA BERTHA MILLER, PH.D.

1. LIVY, BOOK I or XXI-XXII; CICERO DE AMICITIA; HORACE, THE EPODES. Selections from other Latin poets. I.

Open to students who have met the admission requirement. Three hours a week for a year.

MISS WALTON, MISS FLETCHER, MISS MILLER.

2. POETRY OF THE AUGUSTAN AGE. HORACE. II.

Open to students who have completed course I. Three hours a week for the first semester.

MISS WALTON.

The *Odes* are studied, with selections from the *Epistles*.

8. POETRY OF THE AUGUSTAN AGE. VERGIL. II.

Open to students who have completed course I. Three hours a week for the first semester.

MISS HAWES.

Selections from the *Bucolics*, *Georgics*, and *Aeneid* VII-XII.

6. POETRY OF THE AUGUSTAN AGE. TIBULLUS, PROPERTIUS, AND OVID. II.

Open to students who have completed course I. Three hours a week for the first semester.

MISS FLETCHER.

17. STUDIES IN TACITUS AND PLINY. II.

Open to students who have completed a semester course of grade II. Three hours a week for the second semester.

MISS HAWES, MISS WALTON.

Tacitus, *Germania* and *Agricola*, with selections from the other works. Pliny's *Letters*. The work in Pliny includes careful study of certain letters and the rapid reading of many others.

13. CICERO. ESSAYS AND LETTERS. II.

Open to students who have completed a semester course of grade II. Three hours a week for the second semester.

MISS FLETCHER.

3. CONTRIBUTIONS OF LATIN LITERATURE TO MODERN LIFE AND THOUGHT. II.

Open to juniors and seniors who have had no Latin in college. Three hours a week for a year.

MISS MILLER.

The formative ideas of Latin culture studied in those passages from Latin authors in which they found enduring expression. Papers and class discussion will be devoted to analyzing and appraising in their sources the ideals current under such terms as *naturalism: humanism: Alexandrianism: citizenship: imperial destiny: and the State Church.*

11. LATIN PROSE COMPOSITION. INTERMEDIATE COURSE. II.

Open to students who have completed course I and are taking a full course in the department. One hour a week for a year.

MISS FLETCHER.

7. SIGHT READING IN PROSE AND VERSE. II.

Open to students who are taking a full course of grade II. One hour a week for a year.

MISS MILLER.

16. ROMAN LIFE AND CUSTOMS. II.

Open to juniors and seniors without prerequisite, and to sophomores who have completed Latin I. One hour a week for a year.

MISS HAWES, MISS WALTON,
MISS FLETCHER, MISS MILLER.

Lectures, illustrated by photographs and lantern slides, on subjects connected with the daily life and surroundings of the Romans, such as family life, dress, education, buildings, roads, travel, social functions, amusements, religious customs, etc. The required reading will be mainly in English.

4. COMEDY. PLAUTUS AND TERENCE. III.

Open to students who have completed two full courses. Three hours a week for the first semester.

MISS HAWES.

This course includes the careful study of two or more plays together with the rapid reading of several others.

5. SATIRE. HORACE AND JUVENAL. III.

Open to students who have completed two full courses. Three hours a week for the second semester.

MISS HAWES.

This course includes the reading of selected satires of Horace and Juvenal, with study of other Roman satirists by lectures and special topics.

19. LIVY. BOOKS I-X. III.

Open to students who have completed two full courses. Three hours a week for the first semester.

MISS FLETCHER.

Study of the sources of the early history of the Roman Republic. Lectures and collateral reading.

20. OVID, FASTI; CICERO, DE DIVINATIONE, DE NATURA DEORUM. III.

Open to students who have completed two full courses. Three hours a week for the second semester.

MISS FLETCHER.

The early religious institutions of the Romans will be studied from these sources and from other selected readings.

15†. TOPOGRAPHY OF ROMAN SITES. III. (Not offered in 1918-1919.)

Open to students who have completed two full courses. Three hours a week for the first semester.

MISS WALTON.

Architectural History and Topography of Ancient Rome and of typical municipal and provincial towns. Lectures and discussions.

18†. LATIN EPIGRAPHY. III. (Not offered in 1918-1919.)

Open to students who have completed two full courses. Three hours a week for the second semester.

MISS WALTON.

For the work in Epigraphy, Egbert's *Latin Inscriptions* will be used as well as *facsimiles*.

21. LATIN LITERATURE OF THE EARLY CHRISTIAN CHURCH. III.

Open to students who have completed two full courses. Three hours a week for the second semester.

MISS MILLER.

Readings from the Early Christian Apologists and Fathers illustrating the contact of Christian ideals with Pagan thought and civilization. Latin Hymns.

This course may count as an elective in the Department of Biblical History.

10. LATIN PROSE COMPOSITION. III.

Open at the discretion of the instructor to students who have completed course 11 and who are taking a full course in the department. One hour a week for a year.

MISS FLETCHER.

† Latin 15-18 and Archaeology 4-5 are not ordinarily given in the same year.

14†. LITERATURE OF THE ROMAN EMPIRE. III.

Open to students who have completed three full courses. Three hours a week for a year.

MISS HAWES.

The aim of this course is to secure an acquaintance with many representative authors of the Roman Empire, and to show the interest and the value of the "Silver Latinity" and the writers of the later Imperial Period. The readings, which include both poetry and prose, and vary somewhat from year to year, will include selections from Velleius Paterculus, Seneca, Quintilian, Tacitus, Martial, Apuleius, Claudian, Boethius, and other authors. The course includes also a few lectures on various aspects of society in the time of the Empire.

Rapid reading without translation is one of the features of this course.

22†. HISTORY OF LATIN POETRY. III. (Not offered in 1918-1919.)

Part I, Poetry of the Republic.

Part II, Post-Augustan Poetry.

Open to students who have completed three full courses. Three hours a week for a year.

MISS HAWES.

In Part I some study will be given to the beginnings of Latin poetry and the earlier poets, but the main emphasis will be placed upon the poets of the Ciceronian Age, Catullus and Lucretius. Since the Augustan poets are studied in the grade II courses, that period will be considered only by way of review and comparison. In Part II the aim will be to secure an acquaintance with representative poets of different periods, and to show the interest and the value of the later Latin poetry.

Rapid reading without translation will be one of the features of this course.

12. OUTLINE HISTORY OF LATIN LITERATURE. III. (Not given in 1918-1919.)

Primarily for graduates. Open to qualified seniors by permission of the department.

Lectures and readings, with direction of the students' private reading.

The aim of this course is to give a general survey of the subject, tracing the beginnings and development of the various kinds of prose and poetry, and considering the changes in the political and social conditions under which Latin literature developed.

† Courses 14 and 22 are not given in the same year.

MATHEMATICS

PROFESSORS: HELEN ABBOT MERRILL, PH.D.

 EVA CHANDLER, B.A.

 ROXANA HAYWARD VIVIAN, PH.D.

 DIRECTOR OF THE DEPARTMENT OF HYGIENE.

ASSOCIATE PROFESSORS: CLARA ELIZA SMITH,⁹ PH.D.

 FLORENCE PARTHENIA LEWIS,¹¹ PH.D.

INSTRUCTORS: MABEL MINERVA YOUNG, PH.D.

 LENNIE PHOEBE COPELAND, PH.D.

 MARY FLORENCE CURTIS, PH.D.

ASSISTANT: MARY AUGUSTA BEAN, B.A.

1. HIGHER ALGEBRA. I.

Required of freshmen. Three hours a week for the first semester.

MISS MERRILL, MISS CHANDLER, MISS LEWIS, MISS YOUNG,
MISS COPELAND, MISS CURTIS, MISS BEAN.

The elementary theory of determinants, followed by a study of limits and derivatives, upon which the work in series and theory of equations is based.

14. PLANE AND SPHERICAL TRIGONOMETRY. I.

Required of freshmen who do not take course 15. Three hours a week for the second semester.

MISS CHANDLER, MISS LEWIS, MISS YOUNG,
MISS COPELAND, MISS CURTIS, MISS BEAN.

Exponential equations, trigonometric equations and transformations, solution of plane and spherical triangles.

15. THE ELEMENTS OF ANALYTIC GEOMETRY. I.

Open to approved freshmen as an alternative to course 14. Three hours a week for the second semester.

MISS MERRILL, MISS CHANDLER.

A brief course, covering the usual topics, and planned to introduce students as early as possible to advanced courses in mathematics. The necessary topics in trigonometry will be treated.

2. CONIC SECTIONS AND PLANE ANALYTIC GEOMETRY. II.

Open to students who have completed courses 1 and 14. Three hours a week for a year.

MISS YOUNG, MISS COPELAND.

⁹ Absent on leave as exchange professor at Goucher College.

¹¹ Exchange professor from Goucher College.

16. HISTORY OF ELEMENTARY MATHEMATICS. II.

Open to students who have completed or are taking course 2 or course 3. Three hours a week for the second semester.

MISS COPELAND.

The evolution of the fundamental concepts of mathematics. Great mathematicians and their chief contributions to elementary mathematics. A brief survey of modern developments in mathematics and its literature. A standard text is used, supplemented by lectures and short reports chiefly based upon rare old books in the mathematical library.

7. INTRODUCTION TO THE THEORY OF STATISTICS. II.

Open to students who have completed course 1 and either course 14 or course 15. One hour a week for a year.

MISS VIVIAN.

Lectures with supplementary reading on some of the mathematical principles and methods used in statistical work. Each student will present one or more studies based upon data drawn from economic, psychological, scientific or other sources.

11. PROBLEM WORK IN STATISTICS. II. (Not offered in 1918-1919.)

Open to students who have completed course 1 and either course 14 or course 15. One hour a week for a year.

MISS VIVIAN.

The class will meet two periods a week for problem work and exercises in the collection and arrangement of material, and certain methods will be presented in addition to those in course 7.

NOTE.—Course 7 is primarily for theory and for those students who wish to use critically the statistics of others. Course 11 is primarily for problem work and for those students who wish practice in collecting and arranging statistical material. Students may elect course 7 without course 11, but not course 11 without course 7.

3. DIFFERENTIAL AND INTEGRAL CALCULUS. III.

Open to students who have completed course 2 or course 15. Three hours a week for a year.

MISS CHANDLER, MISS LEWIS, MISS CURTIS.

The applications include a course in curve tracing.

4. THEORY OF EQUATIONS, WITH DETERMINANTS. III. (Not given in 1918-1919.)

Open to students who have completed or are taking course 3. Three hours a week for the first semester.

MISS CHANDLER.

The work is based on Burnside and Panton's Theory of Equations.

5. SOLID ANALYTICAL GEOMETRY. III. (Not given in 1918-1919.)
Open to students who have completed or are taking course 3. Three hours a week for the second semester.
- MISS CHANDLER.
- The straight line; the plane; surfaces of the second order. Brief study of surfaces in general.
- 6‡. MODERN SYNTHETIC GEOMETRY. III. (Not offered in 1918-1919.)
Open to students who have completed or are taking course 3. Three hours a week for a year.
- MISS MERRILL.
- Metrical and projective properties of plane and sheaf forms of the first and second orders; the anharmonic ratio; harmonic forms; the method of inversion; involution; collineation; the law of duality; theory of poles and polars; reciprocation; space forms and surfaces of the second order. Given by lectures and references, with constant practice in the solution of geometrical problems.
8. HIGHER PLANE CURVES. III. (Not given in 1918-1919.)
Open to students who have completed course 3. Three hours a week for a year.
- MISS YOUNG.
- Preliminary study of selected topics in algebra and of homogeneous co-ordinates. General properties of curves derived from the homogeneous equation of the nth degree, and the principles developed applied to a brief review of the conic and a detailed study of curves of the third order. A lecture course, with reading from standard texts.
9. INTRODUCTION TO THE THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. III.
Open to students who have completed course 3. Three hours a week for a year.
- MISS MERRILL.
- Elementary treatment of analytic functions. Infinite series and products, with applications to Beta, Gamma, and elliptic functions.
10. DIFFERENTIAL EQUATIONS. III. (Not given in 1918-1919.)
Open to students who have completed course 3. Three hours a week for a year.
- MISS CHANDLER.
- A general course in ordinary and partial differential equations.

‡ Courses 6 and 17 may not both be counted toward the B.A. degree.

17‡. DESCRIPTIVE GEOMETRY. III.

Open to students who have completed or are taking course 3. Three hours a week for a year.

MISS MERRILL.

The theory and practice of the representation of geometric figures. The use of two or more planes of projection in representing lines, surfaces and solids; intersection of surfaces; shades and shadows; the elements of perspective. Two lectures each week, with two additional consecutive periods for drawing under supervision.

MUSIC

PROFESSORS: HAMILTON CRAWFORD MACDOUGALL, MUS.D.
CLARENCE GRANT HAMILTON, M.A.

INSTRUCTORS: EMILY JOSEPHINE HURD.
HETTY SHEPARD WHEELER,⁶ M.A.
ALBERT THOMAS FOSTER.
BLANCHE FRANCIS BROCKLEBANK,¹²
RALPH SPRINGER SMALLEY.
JOSEPH GOUDREAUULT.
FRANCES MARION RALSTON.
ALICE VERNICE GAY,¹⁶

ASSISTANT: JESSIE BUCHANAN.

The Wellesley College Choir of forty members, founded in 1900, furnishes the music for the Sunday services in the Memorial Chapel. Any student with a good natural voice is eligible for membership; trials to fill vacancies are held at the opening of each College year.

The college Symphony Orchestra, consisting of about thirty student and faculty members, was founded in 1906. It offers advantages of competent instruction in ensemble playing under a professional conductor. It gives one or two concerts a year with a program of classical music. Any members of the College who have sufficient technique are admitted to membership without expense.

A limited number of tickets for reserved seats at the concerts of the Boston Symphony Orchestra in Symphony Hall, Boston, are free to students in the department who are able to use them profitably.

I. Musical Theory

The courses in theory and history are open to all students without regard to previous musical knowledge, and count toward the B.A. degree. The history and theory courses are subject to no separate

⁶ Absent on leave.

¹² Absent on leave for the first semester in foreign service

¹⁶ Appointed for first semester only.

‡ Courses 6 and 17 may not both be counted toward the B.A. degree

tuition fee, with the exception of courses 9, 10, 11, and 12, where a nominal fee of five dollars is charged for tuning and repairs of instruments. Courses 8, 4, 14, 18, 19, and 20, are designed especially for those students desiring to gain an appreciative knowledge of musical literature.

15. ELEMENTARY HARMONY. I.

Open only to freshmen who are taking practical music. Two hours a week for a year. No prerequisites.

MR. MACDOUGALL.

This course is designed for freshmen who enter college with the intention of specializing in music. It may be followed by course 1, but not by course 8. This course covers musical notation, the formation of triads and chords of the seventh, the invention of melodies and their harmonization, the simpler kinds of non-harmonic tones, elementary form, and ear training. (Carefully kept notebooks are a part of the work.)

8. INTRODUCTORY HARMONY. I.

Open to sophomores, juniors, seniors, and advanced freshmen (five-year music course). Three hours a week for a year. No prerequisites.

MISS RALSTON.

This course covers the ground necessary for admission to course 1 or 4, and also offers a substantial foundation for subsequent work in practical or theoretical music. It includes the material of the ordinary elementary harmony course and in addition emphasizes ear training and harmonic analysis.

This course is not open to students who have taken course 15.

1. ADVANCED HARMONY. II.

Open to students who have completed course 15 or course 8 or the equivalent. Three hours a week for a year.

MR. HAMILTON.

This course covers *in extenso* the various classes of non-harmonic tones, chords of the ninth modulation, elementary orchestration, writing for the piano, organ, and for voices. The course aims to give facility in elementary composition.

5. MUSICAL ANALYSIS. II.

Open to students who have completed course 15 or 8 or the equivalent. Three hours a week for a year.

MISS RALSTON.

A course both technical and appreciative, designed to furnish students with a knowledge of harmony and musical form sufficient for the intelligent understanding of the standard Classical and

Modern works. The course takes up the study of the principal chords, their function in the musical sentence, the smaller forms (song form, the small classical and modern dance forms) and then proceeds to the larger forms (Suite, Sonata, Symphony, Canon, Fugue, Overture, Symphonic Poem). The smaller forms will be studied through individual and class analysis, individual reports and short papers, while the Victrola and Player-piano will be freely used in the analysis of the larger forms. No original work in composition is required.

2. INTERPRETATION. I.

Open to sophomores, juniors, and seniors who are at the same time taking lessons in practical music in the department and who have acquired a satisfactory degree of skill. One hour a week for a year.

MR. MACDOUGALL, MR. HAMILTON.

This course is a training in the principles of interpretation, developed through the performance in class of music studied with the private teacher and by listening to and analyzing compositions performed by others. The course concerns itself with the recognition of the simple cadences, harmonic figuration as applied to the accompaniment, the broader rhythmical distinctions, the relations of melody and accompaniment, the school of the composer, biographical data, and the simpler elements of form.

NOTE.—Students wishing to elect the course should apply directly to the head of the department.

Students may elect practical music without electing the course in interpretation; but no one may elect the course in interpretation without at the same time electing practical music.

3. INTERPRETATION. II.

Open to students who have completed course 2 and who are at the same time taking lessons in practical music in the department and have acquired a satisfactory degree of skill; also by special permission to seniors. One hour a week for a year.

MR. MACDOUGALL, MR. HAMILTON.

This course is a continuation of course 2. The subject-matter of the course is the thematic and polyphonic melody, the larger forms, harmony in its æsthetic bearings, the æsthetic effects of the more complicated rhythms, comparative criticism and the various schools of composition. See note to course 2.

9. APPLIED HARMONY. II. (Not given in 1918-1919.)

Open to those students only who are at the same time taking course 1. Two hours a week for a year. A laboratory fee of five dollars is attached to this course.

MR. HAMILTON.

This course aims to realize synthetically at the pianoforte the principles taught in course 1, following what may be termed a laboratory method.

NOTE.—Instruction will be given in small classes of not less than three students. The course is in no sense a substitute for pianoforte lessons. Students must satisfy the head of the department that they have a pianoforte technique adequate for the work; in general, the ability to play the easier Mendelssohn Songs without Words, and to read hymn tunes accurately at sight will be sufficient.

4. THE DEVELOPMENT OF THE ART OF MUSIC. III. (Not offered in 1918-1919.)

Open to students who have completed courses 8, and 1 or 5. Three hours a week for a year.

MR. MACDOUGALL.

A course in the appreciation of music designed to develop musical perception and the ability to listen intelligently to the best music. It includes the evolution of rhythm, harmony, and melody, and their powers and offices in musical expression; the principal musical forms analytically considered; studies of the principal composers, their lives, their strongest works, their relation to the progress of musical art. Some great work will be selected for study during the year.

This course is not open to students who have taken or are taking course 14.

10. APPLIED HISTORY. III. (Not offered in 1918-1919.)

Open to those students only who are at the same time taking course 4. Two hours a week for a year. A laboratory fee of five dollars is attached to this course.

MR. MACDOUGALL.

This course aims to realize synthetically at the pianoforte the development of music from the organum of Hucbald to the Wagner opera. Specimens of the music of various schools and periods will be collected, played and analyzed. See note to course 9.

6. COUNTERPOINT. III.

Open to students who have completed course 1. Three hours a week for the first semester.

MISS RALSTON.

Counterpoint in two, three, and four voices; double counterpoint; analysis; the distinctions between strict (modal) and free counterpoint; the rules for the latter deduced from contemporaneous practice; fugue for two and three voices.

11. APPLIED COUNTERPOINT. III. (Not offered in 1918-1919.)

Open to those students only who are at the same time taking course 6. Two hours a week for the first semester. To this course a laboratory fee of two dollars and a half is attached.

This course aims to realize synthetically at the pianoforte the laws of simple and double counterpoint by the constant playing and analysis of the best examples from the masters. See note to course 9.

7. MUSICAL FORM. III.

Open to students who have completed course 6. Three hours a week for the second semester.

MISS RALSTON.

This course aims to cover the various imitative forms, the suite and sonata forms, the large forms of vocal and orchestral music.

Students have the opportunity of doing practical work in composition (song form, sonata movements, etc.).

12. APPLIED FORM. III. (Not offered in 1918-1919.)

Open to those students only who are at the same time taking course 7. Two hours a week for the second semester. To this course a laboratory fee of two dollars and a half is attached.

This course aims to play and to analyze a great number of specimens of the various forms, with careful analysis and classification. See note to course 9.

14. HISTORY OF MUSIC. II.

Open to juniors and seniors, and to sophomores who have had one course in the department. Three hours a week for a year.

MR. HAMILTON.

Lectures on the history of music of all nations, with assigned readings and frequent musical illustrations, from which the student is taught to compile analytical programs and critiques.

The course is non-technical and no previous knowledge of music is required. It is not open to students who have taken or are taking course 4.

13. THE SYMPHONY FROM JOSEPH HAYDN TO THE PRESENT TIME. III.
(Not offered in 1918-1919.)

Open to students who have completed courses 1 and 4 or their equivalent and who have some facility in playing the pianoforte. Three hours a week for a year.

MR. MACDOUGALL.

A historical course, tracing the developing of the Symphony in its form, its instrumentation, and its content.

17. FREE COMPOSITION. III. (Not offered in 1918-1919.)

*Open by permission to students who have completed courses 6 and 7.
Three hours a week for a year.*

MR. MACDOUGALL.

18. BEETHOVEN AND WAGNER. III.

Open to students who have completed course 1 or its equivalent. Three hours a week for a year.

MR. MACDOUGALL.

An intensive course devoted to the analyses of selected pianoforte sonatas, chamber music, the symphonies of Beethoven, "Fidelio," and the operas of Wagner. The aim of the course will be to give an intimate knowledge of the two composers' works and to estimate their place in musical history.

19. SCHUBERT AND SCHUMANN. II. (Not offered in 1918-1919.)

Open to juniors and seniors and to sophomores who have had one course in the department. Three hours a week for the first semester.

MR. HAMILTON.

An illustrated lecture course, intensive in character, devoted to the study of the principal works of the composers named. The romantic movement in music, the development of the German Song, the poetical and lyric piano piece and the birth of musical criticism are among the principal topics treated.

The work of the class will be based mainly upon assigned readings and critical papers.

20. MENDELSSOHN AND CHOPIN. II. (Not offered in 1918-1919.)

Open to juniors and seniors and to sophomores who have had one course in the department. Three hours a week for the second semester.

MR. HAMILTON.

An illustrated lecture course, intensive in character, devoted to the study of the principal works of the composers named. The beginnings of modernism, the culmination of sacred music in the oratorio, the age of the virtuoso, the development of instruments and individual and emotional treatment in music are the principal topics studied.

The work of the class will be based mainly upon assigned readings and critical papers.

II. Practical Music (Instrumental and Vocal Lessons)

[Attention is called to the fact that a good student need not necessarily spend five years in college in order to carry on practical music at the same time with the academic course. See (a) below.]

It is believed that students having a performing technique will be able to profit by the theoretical instruction given in the department to a fuller

degree than those without such a technique. To encourage students to acquire a technique, as well as to furnish authoritative instruction, the department undertakes to give lessons in pianoforte, organ, violin and violoncello playing, and in singing. Practical work is an elective, and students should notify the department of their election of the subject in the usual manner and at the proper time; with the exception of theory courses 2 and 3 and the applied music courses 9, 10, 11, 12, practical work does not count toward the B.A. degree. It is offered to all students, whether candidates for degrees or not, as stated below:—

(a) *Candidates for the B.A. degree who propose to spend but four years in college may take practical music*, provided that they obtain each year the permission of the Dean of the College as well as of the Professor of Music; they must also take Musical Theory unless they have completed two two-hour or three-hour courses in the subject.

(b) Candidates for the B.A. degree who are willing to devote five years to the college course will be permitted to take practical music each year of the course. Freshmen may do so without taking Musical Theory, but all other students in the academic and musical course are governed by the restriction laid down in (a).

(c) Candidates for the B.A. degree who wish also the *Certificate of the Department of Music* should plan to devote five years to the college course. Such students are required to take practical music, two lessons a week, throughout the five years. They must complete, satisfactorily to the department, a course in the literature of the instrument chosen or of the voice; they must apply for the certificate at least three years in advance. After the first year the study of Musical Theory is required.

(d) Students not candidates for the B.A. degree who desire to specialize in music must meet the requirements prescribed for admission to the freshman class, and must in addition pass an entrance examination, particulars of which will be furnished on application. Special students must take both Musical Theory and vocal or instrumental lessons, two a week, with not less than twelve hours of weekly practice. They must also take from six to nine hours per week of academic work, including Musical Theory, as may be decided in consultation with the Dean.

(e) Students not candidates for the B.A. degree who wish the *Certificate of the Department of Music* must comply with the conditions laid down in (d); moreover, the academic work taken must include modern languages. Such students must apply for the certificate on entering the department, and must have already acquired the fundamental technique of the instrument chosen or of the voice. The time occupied in study for the certificate depends upon the talent, upon the proficiency of the student at entrance, and upon her subsequent diligence; but in general four years at least are necessary. The various courses are so arranged that the pupil on completion will have an acquaintance with the best musical literature.

(f) Graduates of Wellesley College or of other institutions may make special arrangement for instrumental or vocal lessons.

(g) Permission to practice in Music Hall cannot be given to students not regularly registered in the department.

(h) Students whose progress is not satisfactory may be required to discontinue their lessons.

For tuition and other charges in the Department of Music see page 146.

COMPARATIVE PHILOLOGY

PROFESSOR: KATHARINE MAY EDWARDS, PH.D.

**ASSOCIATE PROFESSORS: LAURA EMMA LOCKWOOD,⁶ PH.D.
NATALIE WIPPLINGER, PH.D.**

1. GENERAL INTRODUCTION TO THE SCIENCE OF LANGUAGE. III. (Not offered in 1918-1919.)

Open to seniors and juniors who have had at least one year of Greek. One hour a week for a year and an additional hour in alternate weeks. To count as one and one-half hours.

MISS EDWARDS.

Lectures on the origin and nature of language and the principles of its life and growth; outline studies in phonetics; classification of languages; groups of the Indo-European languages with chief characteristics.

3. COMPARATIVE GRAMMAR OF GREEK AND LATIN. III. (Not offered in 1918-1919.)

Open to students who have completed course 1 and who have had at least two years of Greek and Latin. Three hours a week for the second semester.

MISS EDWARDS.

Historical study of sounds and inflections of Greek and Latin in relation to other Indo-European languages.

5. SANSKRIT. III. (Not offered in 1918-1919.)

Open to graduates only. One hour a week for a year.

MISS EDWARDS.

6. GOTHIC (German 26). III. (Not offered in 1918-1919.)

Open to graduates, and to seniors by permission of the instructor. Three hours a week for the second semester.

MISS WIPPLINGER.

Reading of *Ulfilas*, with constant reference to the syntax, phonology, and etymology of the language. Presentation of fundamental principles in Germanic Philology.

⁶ Absent on leave.

8. OLD ENGLISH (English Language 4). III. (Not offered in 1918-1919.)
*Open to graduates, and to seniors by permission of the department.
 Three hours a week for a year.*

MISS LOCKWOOD.

A study of Old English inflections, phonology and syntax. The reading of the best pieces of literature in Old English prose and poetry. A particular problem in either literature or language is assigned to each student for investigation.

9. OLD FRENCH (French 11). III. (Not offered in 1918-1919.)
*Open to graduates and to seniors by permission of the department.
 Three hours a week for a year.*

A study of Old French in numerous old texts with a consideration of the general laws of its phonetic development from Latin to French, and the evolution of its syntax.

Lectures, critical reading, papers on special subjects.

PHILOSOPHY AND PSYCHOLOGY

PROFESSORS: MARY WHITON CALKINS, M.A., LITT.D., LL.D.
 MARY SOPHIA CASE, B.A.
 ELEANOR ACHESON McCULLOCH GAMBLE, PH.D.

LECTURERS: LUDWIG REINHOLD GEISSLER, PH.D.
 R. F. ALFRED HOERNLÉ,¹⁵ M.A.

INSTRUCTORS: HORACE BIDWELL ENGLISH,¹⁴ PH.D.
 LUCY WILSON, PH.D.
 FLORA ISABEL MACKINNON, M.A.

GRADUATE ASSISTANTS: HELEN WIGHT WHEELER, B.A.
 HELEN FRANCIS WHITING, B.A.

READER: GRACE ALLERTON ANDREWS, M.A.

The requirement in philosophy for a degree is met (a) by course 1 (first semester) followed in the same year by course 6 (second semester); or (b) by course 7 (full year course).

The department offers direction to graduate students in independent work in psychology and in philosophy, and conducts graduate conferences with individual students at stated times.

I. Logic

3. LOGIC. I.

Open to sophomores and juniors. Three hours a week for the second semester.

MISS GAMBLE.

Training in argument and in logical criticism. Work expressly designed to meet the practical needs of the student. The course deals not only with the principles of deductive logic, but also with

¹⁵ Appointed for the second semester only.

¹⁴ Absent on leave in Government service.

elementary questions of observation and testimony, and of scientific, statistical, and legal evidence. Text-book: Sellars, *Essentials of Logic*.

II. Psychology

Courses 1 and 7 are not both open to the same student.
For description of the Psychology Laboratory, see page 163.

1. INTRODUCTION TO PSYCHOLOGY. I.

Open to sophomores, juniors, and seniors. Three hours a week for the first semester.

Lectures, MISS CALKINS.

Conferences, MISS CALKINS, MISS MACKINNON, MISS WHEELER.

The aims of this course are, first and primarily, to train students in the scientific observation and description of consciousness; second, to apply the results of this study to practical problems of conduct; and, finally, to provide a psychological basis for the study of sociology, of education, and of philosophy. The course is conducted (1) by means of lectures, with occasional experimental demonstrations, accompanied by class discussions; (2) by weekly conferences with groups of students. Reading of psychological texts is preceded by purely introspective or by experimental analysis and is followed by the study of concrete problems. Text-books: Calkins, *A First Book in Psychology*, and James, *Psychology, Briefer Course*. Collateral reading: Selections from Münsterberg, *Psychology, General and Applied*; Miller, *The Psychology of Thinking*, and from other books.

7. INTRODUCTORY COURSE IN EXPERIMENTAL PSYCHOLOGY AND IN PHILOSOPHY. I.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Lectures, MISS GAMBLE.

Laboratory, MISS GAMBLE, MR. GEISSLER, MISS WILSON,
MISS WHITING.

This course aims to give to students an acquaintance with primary mental facts, to give them a definite notion of the topics treated and of the experimental and statistical methods employed in psychology, and to fit them for more advanced psychological work. Especial stress is laid upon the study of color-vision and of memory. The course is conducted by lectures and by weekly laboratory appointments for the assignment and discussion of experimental work. Text-books: Calkins, *A First Book in Psychology*; Titchener, *A Text-book of Psychology*; Breese, *Psychology*.

The work in psychology is supplemented by a course, running through half of the second semester, which is introductory to philosophical study. The reading will include Berkeley's *Three Dialogues between Hylas and Philonous*.

17. SOCIAL AND APPLIED PSYCHOLOGY. II.

Open to seniors who have completed course 7 and by permission to seniors who have completed course 1. In 1918-1919, three hours a week for the first semester.

MISS GAMBLE.

In this abridged course, the following topics will be considered: (1) the conditions of mental efficiency; (2) normal individual differences; (3) intelligence tests; (4) mental deficiency and retardation; (5) socially important types of mental aberration; and (6) the psychological factors in certain forms of delinquency. Among the books studied will be: Hollingworth, *Vocational Psychology*; Tredgold, *Mental Deficiency*; White, *Outlines of Psychiatry*; Healy, *The Individual Delinquent*.

**18. SECOND COURSE IN GENERAL EXPERIMENTAL PSYCHOLOGY. III.
(Not offered in 1918-1919.)**

Open to graduate students, to undergraduates who have completed course 7, and by permission to undergraduates who have completed course 1. Three hours a week for a year.

MR. GEISSLER.

This course (1) requires first-hand observation of the chief facts of psychology; (2) relates these facts by means of lectures and informal conferences to the principal theories of psychology; and (3) aims to develop a good experimental technique. The course is designed for those who expect to continue with psychology or with closely related disciplines, either as teachers or as students. Titchener: *Manuals of Experimental Psychology*. Collateral reading on which students make oral reports.

14. RESEARCH COURSE IN PSYCHOLOGY. III.

Open to students who have completed course 7, and to students who are taking or who have completed course 18. Three hours a week for a year.

MISS GAMBLE, MR. GEISSLER.

This course consists of investigation of special problems, experimental or statistical, by individual students. In 1918-1919 problems in the fields of memorizing, of fatigue, and of mental tests will be included. The methods employed are wider than the problems and are adapted to training students in the fundamental demands of research.

15. SECOND RESEARCH COURSE IN PSYCHOLOGY. III.

Open by permission to graduate students. Three hours a week for a year.

MR. GEISSLER.

5. READING COURSE IN GERMAN OR IN FRENCH PSYCHOLOGICAL TEXTS.
II. (Not offered in 1918-1919.)

Open to students who are taking course 14, course 15, course 17, or course 18. One hour a week for a year.

III. Philosophy

6. INTRODUCTION TO PHILOSOPHY. I.

Open to sophomores, juniors, and seniors who have completed course 1. Three hours a week for the second semester.

Lectures, MISS CALKINS.

Conferences, MISS CALKINS, MISS MACKINNON, MISS WHEELER.

This course begins with a brief study of ethics, treated from a psychological starting point, as the science of the moral self. The emphasized topics of this study are the nature of goodness and of duty and the relation of virtue to instinct and to habit. The greater part of the course is devoted to the discussion of the philosophical problems raised in the study of psychology: the nature of body, the nature of mind, and the connection between mind and body. The relations of philosophy to physical science and to religion are briefly considered. The discussion is based upon Descartes, *Meditations*; selections from Hobbes, from La Mettrie, and from Haeckel; Berkeley, *Principles of Human Knowledge* and *Three Dialogues between Hylas and Philonous*.

16. SOCIAL ETHICS. II.

Open to seniors. Three hours a week for the second semester.

MISS CASE.

The course aims to develop a comprehensive conception of human life and an intelligent apprehension of the significance of conduct, especially in its social aspects. Extended passages are read from Plato's *Republic*; Bosanquet's *The Philosophical Theory of the State*; Dewey and Tufts' *Ethics*, Part III; supplementary readings from Mill, Rousseau, Treitschke, Burns and others. Lectures on family relationships, friendship, and other personal relations; on the nature of social institutions, especially the state; emphasis on international relations. Class discussions.

10. GREEK PHILOSOPHY. II.

Open to juniors and seniors who have completed or are taking course 1 or course 7. Three hours a week for a year.

MISS CASE.

Primarily text study. (a) Pre-Platonic philosophy. Fragments (accompanied by outlines); selections from Xenophon's *Memora-*

bilia and from the dialogues of Plato. Two months. (b) Plato. Study of the dialogues with especial emphasis on Plato's development. Most of the year. (c) Post-Platonic philosophy. Selections from Aristotle's *De Anima*, *Nicomachean Ethics*, and *Metaphysics*; lectures on Aristotle; brief summary of post-Aristotelian philosophy.

9. PROBLEMS OF MODERN PHILOSOPHY. III.

Open to juniors who are taking course 10, to seniors, and to graduate students. Three hours a week for a year.

MISS CALKINS.

This course is conducted by lectures and discussions on problems of philosophy, including the principle of causation, the nature and existence of the self, the nature of the physical world, the relation of idealism to realism, and the issue between pluralism and absolutism. Discussion is based on the study of Hume, Kant, Spinoza, Leibniz and Fichte; and students are referred also to the writings of Pearson, James, Royce, Ward, Bergson, Russell and other contemporary writers.

11. THE LOGIC OF HEGEL. III.

Open to students who have completed course 10 and have completed or are taking course 9, and by special arrangement to graduate students who have completed course 9. Three hours a week for the first semester.

MISS CASE.

Text study of extended passages from the *Logic* of Hegel's *Encyclopedia*.

12. PHILOSOPHY OF RELIGION. III.

Open to students who have completed course 11. Three hours a week for the second semester.

MISS CASE.

(a) Critical study of methods of examining religious beliefs, especially the psychological method and the method of Hegel. The relation of these methods to pragmatic tests. Readings from Durkheim, James, Coe, Royce, Hocking, Dewey, and others. (b) Discussion of special problems selected by the class. (c) Concluding lectures on the significance of religious experience.

13. ETHICS. III. (Not offered in 1918-1919.)

Open by permission to graduate students. Three hours a week for a semester or for a year.

19. CONSTRUCTIVE TREATMENT OF PROBLEMS IN METAPHYSICS. III.
(Not offered in 1918-1919.)

Open by permission to graduate students. Three hours a week for a semester or for a year.

MISS CALKINS.

Subject in 1916-1917: the self in the psychological sciences and in philosophy.

20. SPECIAL STUDY OF PHILOSOPHICAL SYSTEMS. III. (Not given in 1918-1919.)

Open by permission to graduate students. Three hours a week for a semester or for a year.

21. ADVANCED LOGIC.

Open by permission to graduate students. Three hours a week for the second semester.

MR. HOERNLÉ.

A comparative study of selected topics from modern logic and theory of knowledge, with special reference to Bradley, Bosanquet, Russell, Husserl, Meinong, and others. The topics to be taken up include: Types of logical theories; symbols and meaning; datum and construction; judgment and inference; particulars and universals; categorical and hypothetical characters of judgments; negation; possibility; truth and error.

PHYSICS

PROFESSOR: LOUISE SHERWOOD McDOWELL,⁵ PH.D.

ASSOCIATE PROFESSOR: GRACE EVANGELINE DAVIS, M.A.

ASSISTANT PROFESSOR: FRANCES LOWATER, PH.D.

INSTRUCTOR: LUCY WILSON, PH.D.

LABORATORY ASSISTANTS: MINNIE RUHMPohl, B.A.

HARRIET PORTER,¹⁶ B.A.

1. ELEMENTARY PHYSICS. I.

Open to all undergraduates. Three hours a week for a year.

MISS McDOWELL, MISS DAVIS, MISS WILSON,
MISS RUHMPohl, MISS PORTER.

This course is for beginners and presents briefly the elementary principles of mechanics, sound, heat, electricity, and light, and their simpler applications. The course is conducted by means of experimental lectures followed by laboratory work.

⁵ Absent on Sabbatical leave in Government service for the first semester.

¹⁶ Appointed for first semester only.

2. GENERAL PHYSICS. I.

Open to students who have met the admission requirement. Three hours a week for a year.

MISS LOWATER.

This course is intended for students who already have an elementary knowledge of the phenomena of the physical world, and presents more fully than course 1 the fundamental principles and their applications in everyday life and in the other natural sciences. The course is conducted by means of experimental lectures and laboratory work.

3. HEAT. II.

Open to students who have completed course 7 and by special permission to students who have completed course 1 or the first semester of course 2. Three hours a week for the second semester.

MISS DAVIS.

Thermometry, calorimetry, properties of vapors and gases, liquefaction of gases, transmission of heat and its application in the heating and ventilation of buildings, kinetic theory, elementary thermodynamics, the steam engine, the automobile engine.

7. ELECTRICITY. II.

Open to students who have completed course 1 or course 2 and by special permission to juniors and seniors who have met the admission requirement. Three hours a week for the first semester.

MISS DAVIS.

Magnetic and electric fields of force; the study and use of instruments for the measurement of current, potential difference, resistance and capacity; electromagnetic induction; electrolytic conduction.

5. LIGHT. III.

Open to students who have completed course 7. Three hours a week for the first semester.

MISS LOWATER.

The wave theory and its application to the phenomena of dispersion, interference, diffraction, polarization, propagation in crystalline media; theory and use of optical instruments; modern methods of illumination; the history of optics.

8t. ELECTRIC WAVES AND WIRELESS TELEGRAPHY. III.

Open to juniors and seniors who have completed course 7. Three hours a week for the second semester.

MISS McDOWELL.

† Courses 8 and 9 are ordinarily given in alternate years.

- 9‡. RECENT DEVELOPMENTS IN ELECTRICITY. III. (Not offered in 1918-1919.)

Open to students who have completed course 7. Three hours a week for the second semester.

MISS McDOWELL.

The electrolytic dissociation theory; conduction through gases, cathode rays, X-rays; radio-activity; the electron theory.

6. METEOROLOGY. II. (Not offered in 1918-1919.)

Open to sophomores, juniors, and seniors who have completed course 1 or who have met the admission requirement. Three hours a week for the second semester.

MISS DAVIS.

Text-book: Milham's *Meteorology*, with library references. The study of the phenomena of the weather,—air pressure, temperature, progress of storms, cold waves, winds, clouds, precipitation,—leading to an understanding of the principles of weather prediction.

10. MECHANICS AND PROPERTIES OF MATTER. III. (Not given in 1918-1919.)

Open to students who have completed course 1 or 2, and course 3 in Mathematics. Three hours a week for the first semester.

MISS LOWATER.

Properties of solids, liquids, and gases, including universal gravitation, elasticity, surface tension, capillarity, diffusion, osmosis.

11. ELECTRICITY AND MAGNETISM. MATHEMATICAL THEORY. III.

Open to juniors and seniors who have completed course 7 and also course 3 in Mathematics. Three hours a week for the second semester.

MISS McDOWELL.

The work is based upon Starling's *Electricity and Magnetism* and free use is made of the Calculus.

12. LIGHT. MATHEMATICAL THEORY. III. (Not offered in 1918-1919.)

WAR EMERGENCY COURSES

13. HOUSEHOLD PHYSICS. II. (Not given in 1918-1919.)

Open to students who have completed course 1 or course 2 and, by special permission, to juniors and seniors who have met the admission requirement. Three hours a week for the second semester.

MISS LOWATER.

The course consists in the application of the principles of mechan-

‡ Courses 8 and 9 are ordinarily given in alternate years.

ics, heat, electricity, and illumination to typical household problems, machines, and labor-saving devices.

This course will not count toward a major in Physics.

14. THE AUTOMOBILE: PRINCIPLES AND CONSTRUCTION. II.

Open to juniors and seniors who have completed course 1 or who have met the admission requirement. One hour a week for a year.

MISS WILSON.

Subject matter: the internal combustion engine; carburetors; systems of ignition, starting, and transmission. In addition to lectures upon the theory, demonstrations will be given of the mechanisms used in different makes of cars. So far as possible opportunity will be given for practice in the detection and remedy of engine difficulties and defects in the electrical systems, together with instruction in the care of storage batteries, etc.

15. PHOTOGRAPHY. II. (Not given in 1918-1919.)

Open to juniors and seniors who have completed course 1 in Physics and course 1 in Chemistry or who have met the admission requirements in those subjects. One hour a week for a year.

MISS DAVIS.

Subject matter: the camera; the lens, classes, defects and methods of testing; shutters; exposuremeters; theory and practice of development of plates and prints; copying, enlarging; lantern slide making; X-ray photography; autochromes.

READING AND SPEAKING

PROFESSOR: MALVINA BENNETT, M.A.

ASSISTANT PROFESSOR: CAROLINE ANGELINE HARDWICKE.

INSTRUCTOR: EDITH MARGARET SMAILL.

1. INTRODUCTORY COURSE IN VOCAL EXPRESSION. I.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

MISS HARDWICKE, MISS SMAILL.

Study of mental action in its effect on voice; development of logical thinking.

Body: poise and bearing.

Voice: breathing, articulation, pronunciation.

Reading and Speaking: direct address, description, story telling.

This course is not open to students who have taken or are taking course 4.

2. ADVANCED COURSE IN VOCAL EXPRESSION. II.

Open to students who have completed course 1 or 4. Three hours a week for a year.

MISS BENNETT.

Development of the imagination in interpreting literature.

Body: exercises for freeing the body for responsive action.

Voice: exercises for freedom and purity of tone, enunciation.

Reading and Speaking: current events, narrative poetry, standard novels, Browning and a modern play.

3. INTERPRETATION OF SHAKESPEARE. II.

Open to students who have completed course 1, or by permission to students who have completed course 4, also to those who have completed or are taking English Literature 9; to others at the discretion of the department. Three hours a week for a year.

MISS BENNETT.

Analysis of characters; reading; scenes selected for memorizing and acting. Three plays studied.

4. ENGLISH SPEECH. I.

Open to sophomores, and at the discretion of the department to juniors and seniors. Three hours a week for a year.

MISS HARDWICKE.

This course is planned primarily for students who need special training in English speech. Its aim is to correct carelessness and provincialism in speech.

Development of tone, elemental English sounds, standard of pronunciation.

Reading and speaking.

5. ELEMENTS OF PUBLIC SPEAKING. I.

Open to seniors who have taken no course in the department. One hour a week for a year.

MISS HARDWICKE.

The aim of the course is to assist students intending to teach, by criticism on voice, speech, and manner. Students will be asked to bring for criticism papers and speeches prepared for other departments.

SPANISH

ASSOCIATE PROFESSOR: ALICE HUNTINGTON BUSHEE, M.A.
INSTRUCTORS: ANGELA PALOMO, B.A.
ADA MAY COE, B.A.

NOTE 1.—A reading knowledge of French is required for all grade III work and is desirable in all courses. The language of the class room is Spanish.

NOTE 2.—In accordance with the expressed wishes of the Government that students be prepared not only in the language but also in the life and conditions existing in Spain and Spanish America, the advanced courses have been changed somewhat for the year 1918-1919 to meet present needs. Course 7 will base its work on the economic conditions in Spanish America and its commercial relations with the U. S. Course 6 will devote some time to a few of the leading problems of Spanish America—as the Monroe Doctrine, the Panama Canal and relations with foreign countries. Course 5 will consider similar problems in Spain. Course 4 will extend its "rapid reading" to manuscript letters and current newspapers and magazines.

1†. ELEMENTARY COURSE. I.

Open to all undergraduates. Three hours a week for a year.

MISS BUSHEE, MISS PALOMO, MISS COE.

Grammar, composition, dictation, conversation, prepared and sight translation. Short lectures are given occasionally in Spanish on various literary subjects to train the ear and serve as an introduction to later study.

2. INTERMEDIATE COURSE. I.

Open to students who have completed course 1 or an equivalent. Three hours a week for a year.

MISS BUSHEE, MISS PALOMO.

Grammar, composition, themes, lectures, reading of typical modern novels and selections from *Don Quixote*.

4. SPANISH LITERATURE IN THE EIGHTEENTH AND NINETEENTH CENTURIES. II.

Open to students who have completed course 2. Three hours a week for a year.

MISS BUSHEE.

The aim of this course is to give the student a general idea of Spanish literature after the Golden Age: the French influence, Romanticism, and the noted authors of the latter part of the nineteenth century. This includes the rapid reading of both prose and poetry.

6. MODERN SPANISH AMERICAN LITERATURE. II.

Open to students who have completed course 2. Three hours a week for a year.

MISS COE.

The aim of this course is to show the influences at work in the making of Spanish American Literature with the reaction especially in poetry on the literature of Spain. Lectures will be given on the political and social conditions of the leading countries.

† Course 1, if taken in the senior year, may not count within the minimum number of hours prescribed for a degree.

7. ADVANCED CONVERSATION AND COMPOSITION. II.

Open to students who have completed course 2. One hour a week for a year.

MISS PALOMO.

Three or four twentieth century plays will form the basis for this course and will give opportunity for oral discussion and written reports on life in contemporary Spain.

3. DRAMA OF THE GOLDEN AGE. III. (Not offered in 1918-1919.)

Open to students who have completed course 4. Three hours a week for a year.

MISS BUSHEE.

This course will be introduced by a short general outline of the historical and literary influences at work during the period. Characteristic dramas of Lope de Vega, Alarcón, Tirso de Molina, and Calderón will be studied as representative of the nation's thought and ideals at the time.

5. THE SPANISH NOVEL. III.

Open to students who have completed course 4. Three hours a week for a year.

MISS BUSHEE.

The first semester will be devoted to a general study of the novel before 1650 (especially the *caballerescas*, *picarescas*, and *pastorals*) and its relation to other countries. During the second semester *Don Quijote* will be studied.

ZOOLOGY AND PHYSIOLOGY

PROFESSORS: ALICE ROBERTSON,³ PH.D.

MARIAN ELIZABETH HUBBARD, B.S.

CAROLINE BURLING THOMPSON,⁷ PH.D.

ASSOCIATE PROFESSOR: JULIA ELEANOR MOODY, PH.D.

LECTURER: HERBERT WILBUR RAND,¹⁵ C.E., PH.D.

INSTRUCTORS: MARY EDITH PINNEY, PH.D.

MARGARET ALGER HAYDEN, M.A.

MARY MAUD BELL, B.A.

CURATOR: ALBERT PITTS MORSE.

LABORATORY ASSISTANT: RUTH ELIZABETH CROSBY, B.A.

1. THE BIOLOGY OF ANIMALS. I.

Open to freshmen and sophomores. Three hours a week for a year.

MISS HUBBARD, MISS PINNEY, MISS HAYDEN, MISS BELL.

This course serves as an introduction to the general principles of Zoology. The student becomes familiar with a series of types of

³Absent on Sabbatical leave.

⁷Absent on leave for the second semester.

¹⁵Appointed for the second semester only.

invertebrates, and with one vertebrate, the frog. Emphasis is laid upon the doctrine of evolution.

Lectures, laboratory and field work.

2. VERTEBRATE ZOOLOGY. II.

Open to juniors and seniors, and to sophomores who have completed course 1. Three hours a week for a year.

MISS MOODY, MISS PINNEY.

A comparative study of vertebrate types with particular reference to the history of the human body. Lectures on development, structure, classification and geographical distribution.

5. NATURAL HISTORY OF ANIMALS. III. (Not offered in 1918-1919.)

Open to students who have completed courses 1 and 2, and, with the approval of the head of the department, to juniors and seniors who have completed course 1 or 2. Three hours a week for the first semester.

MISS ROBERTSON.

The study of the living organism by investigation of structure, function, and behavior from the point of view of its relations to its environment, organic and inorganic, the interdependence of organism, their behavior, adaptations, and organic responses. Especially valuable to those intending to teach Zoology.

6. THEORETICAL ZOOLOGY. III.

Open, with the advice of the head of the department, to seniors who have completed course 2 and who have completed or are taking one other course of grade III. Three hours a week for a year.

MISS THOMPSON, MR. RAND.

Theoretical problems of biology. Lectures on evolution, variation, heredity, and eugenics; discussion of these, together with related facts, and current biological theories.

7. INSECTS. III. (Not offered in 1918-1919.)

Open to students who have completed courses 1 and 2, and with the approval of the head of the department, to juniors and seniors who have completed course 1 or 2. Three hours a week for the second semester.

MISS THOMPSON.

Lectures, laboratory, and field work with reference to the different groups of insects and especially the commoner forms. Primarily to those intending to teach Zoology.

8. EMBRYOLOGY AND CELL STRUCTURE. III.

Open to juniors and seniors who have completed or are taking course 2. Three hours a week for a year.

MISS THOMPSON, MR. RAND.

Lectures and laboratory work upon the structure of animal cells and tissues, the embryology of the chick and certain other vertebrates. Instruction in technique forms a part of the laboratory work.

10. PHYSIOLOGY. III.

Open to juniors and seniors who have completed or are taking course 2. Three hours a week for a year.

MISS HAYDEN.

Lectures and laboratory work dealing with experimental and theoretical questions in human physiology. Each student arranges and uses the apparatus necessary for almost all experiments; the instructor, however, performs some of the more difficult ones, assisted in turn by the different members of the class.

11. ANATOMY.

Open only to first-year special students in the Department of Hygiene. Two hours a week for a year.

MISS MOODY.

Lectures and laboratory work upon the anatomy of the muscles, viscera, circulatory and nervous systems. Elements of histology.

COLLEGE EXAMINATIONS

An examination period occurs at the end of each semester. At these periods, and also during the days of the admission examinations in September, examinations for the removal of conditions and deficiencies and for advanced standing may be taken.

A student who wishes to take an examination upon a course which is not a part of her approved schedule for the year, must apply to the Dean for the requisite card of admission to the examination. The last day for receiving applications for such cards is *for the September examinations, September first; for the mid-year examinations, January first; for the June examinations, May fifteenth.*

N. B. Examinations for the removal of conditions and deficiencies excepted, no student can be admitted to examination upon a course which is not a part of her approved schedule for the year without permission both from the Head of the Department concerned and the Dean of the College. *No student, therefore, should enter upon preparation for such an examination until her plan has been approved by both of the above named officers.*

The College reserves the right to require the withdrawal of students whose scholarship is not satisfactory, and of those who for any other reason are regarded as not in accord with the ideals and standards which the College seeks to maintain.

DEGREES

The following degrees are conferred by the Trustees upon recommendation of the Academic Council:—

Bachelor of Arts.

Master of Arts.

REQUIREMENTS FOR THE B.A. DEGREE

Every candidate for the B.A. degree must complete before graduation the equivalent of fifty-nine hours. Since 1896, two grades in work which reaches the passing mark have been distinguished: one "Passed"; the other, "Passed with Credit." In order to be recommended for the degree of Bachelor of Arts a student must have "passed with credit" in not less than six hours in the first semester of the freshman

year and in not less than nine hours in each succeeding semester. Deficiency of such work in any semester may be made good in accordance with regulations adopted by the Faculty. First-year French and first-year German may not *both* be counted among the fifty-nine hours. *Neither* first-year French nor first-year German may be so counted if taken after the sophomore year. Second-year French, second-year German, first-year Italian and first-year Spanish may not be counted among the fifty-nine hours, if taken after the junior year. Of the fifty-nine hours required for the B.A. degree, a certain number is prescribed, the rest elective.

I. PRESCRIBED. The following subjects are required as specified:—

Biblical History	$4\frac{1}{2}$ hours
English Composition	3 or $4\frac{1}{2}$ * "
Mathematics	3 "
Language (unless a third language has been presented for admission)	3 "
Natural Science (if not presented for admis- sion)	3 "
A Second Natural Science	3 "
Philosophy	3 "
Hygiene	2† "
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	$24\frac{1}{2}$ or 26 hours

Of the required subjects, Mathematics must be taken in the freshman year; Hygiene one and one-half hours in the freshman year, and one-half hour in the sophomore year; Biblical History, three three-hour semester courses in the sophomore and the junior years; English Composition three hours per week in the freshman year.* Of the natural sciences, one must be taken before the junior year; either a language or a science must be taken in the freshman year and both if neither a third language nor a science is offered for admission. Philosophy should ordinarily be taken before the senior year.

II. ELECTIVE. All courses are classified in Grades I, II, III; Grade I including elementary courses and Grade III the most advanced courses. All of the fifty-nine hours not indicated in the above are elective, subject to the approval of the Faculty.

* If a student fails to pass with credit in the second semester of English Composition I, she will be required to take an additional semester course in the sophomore year.

† One hour of this requirement is met by a one-hour course in Hygiene in the freshman year; the second hour is met by four periods in practical work, two periods per week in the freshman year and two in the sophomore year.

Moreover every candidate for the B.A. degree must show before graduation that she has completed either

(1) nine hours in each of two departments,
or

(2) twelve hours in one department and six hours in a second department.

Of the courses offered to fulfill this requirement, at least one full course of Grade III must be taken in the senior year. The nine-hour group must consist of at least six hours above Grade I, three hours of which must be of Grade III. The twelve-hour group must consist of at least nine hours above Grade I, six hours of which must be of Grade III. The six-hour group must include at least three hours above Grade I.

These requirements are met in the freshman year as follows:—

Mathematics 1 with 14 or 15	3	hours
English Composition 1	3	"
Hygiene 21 and 29	1½	"
Electives	9	"
Total	16½	hours

These electives must be chosen in accordance with the prerequisites given in the department statements from the list of courses named below, subject to the following restrictions:—

(1) One elective must be a science (if no science is offered for admission), and the second a language (if only two foreign languages are offered for admission).

(2) One elective must be chosen from courses in classics, history, or science.

(3) Only one of the following subjects may be elected: Art, Musical Theory, English Literature.

(4) French 1 and German 1 may not both be elected.

Language	Sciences	Other Subjects
Greek 1, 13, 14	Astronomy 1	Art 12
Latin 1	Botany 5	English Literature 1
German 1, 2, 5 and 10	Chemistry 1, 4	History 1 and 2, 3, 10
French 1, 2, 3 and 5	Geology 8	Musical Theory 15
Italian 1	Physics 1, 2	
Spanish 1, 2	Zoology 1	

If 16½ hours are satisfactorily completed in the freshman year, the normal program for the remaining years would be as follows:—

Sophomore year	15½	hours
Junior year	15	"
Senior year	12	"

If 16½ hours are not completed in the freshman year, a student may by special permission carry extra hours in the remaining years.

Elective courses must be chosen with great care so that changes will not be necessary. Students are held responsible for observing the requirements for the degree and the proper sequence of courses.

All requests for changes of elective courses should be sent to the Dean of the College before September 15th. In general, no changes may be made after the beginning of the year.

REQUIREMENTS FOR THE M.A. DEGREE

The work required of a candidate for the M.A. degree is equivalent to fifteen hours of college work, and includes no fewer than nine nor more than twelve hours of regular class work. A thesis, or a report or reports, based on independent work will be required. The student should choose one major subject and not more than one minor subject, which should be related to the major; or she may, if she prefers, do all her work in one subject. A candidate for the M.A. degree is required to have a reading knowledge of French and of German.

One year of graduate work is required of all candidates for the M.A. degree, but two or more years are usually needed for the completion of the work.

Graduates of Wellesley College may do all the work in non-residence, under conditions defined in the Graduate Circular.

One year *in residence* is required of all other candidates for the degree.

Information regarding thesis, final examinations, etc., will be found in the Graduate Circular which will be sent on application to the College Recorder.

EXPENSES

TUITION

The charge for tuition to all students, whether living in college buildings or not, is \$175 a year. Tuition is payable in advance and *is not subject to return or deduction*.

Students who are permitted to take *seven hours or less* of class-room work a week, and *who do not live in college buildings*, pay tuition by the course as follows: for a one-hour course, \$20; a two-hour course, \$40; a three-hour course, \$60. Payment is due at the beginning of the year. No charge is made for tuition in Biblical History.

TUITION AND OTHER CHARGES IN DEPARTMENT OF MUSIC

For instruction for the college year in Pianoforte, Organ, Violin, or Vocal Music, two lessons a week	\$100
One lesson a week50

(Lessons thirty minutes in length.)

For use of the Pianoforte, one period daily for the college year	\$10
For two and three periods daily, in proportion.	
For use of the Pipe Organ in Music Hall, one period daily, for the college year	15
For two or three periods daily, in proportion.	

Special arrangements may be made for lessons on instruments not mentioned above.

Tuition in music must always be paid in advance and is not subject to return or deduction.

MAINTENANCE FEE

(1) For all undergraduate students who room or board in college houses the Maintenance Fee will be \$100 payable in two instalments, \$50 in September as heretofore, and \$50 in February, before the beginning of the second semester.

(2) For all students, graduate and undergraduate, who neither room nor board in college houses the Maintenance Fee will be \$50, payable in September.

FIXED TIMES AND AMOUNTS OF PAYMENTS

I. Students lodged in college buildings.

These students make payments as follows:—

September (at the opening of college)	\$325
This sum includes \$110 on account of tuition, \$165 on account of board and lodging, and \$50 on account of maintenance fee.	
February (before the beginning of the second semester)	275
This sum includes \$65, the balance of tuition payment, \$160 the balance due for board and lodging, and \$50 the balance due for maintenance fee.	

Total of these payments for the year \$600

The charge for board begins at the opening of residence halls (see page 5) and students are not permitted to occupy rooms before that time.

II. Students not lodged in college buildings.

a. Students who take their meals in college buildings but lodge in private houses make payments as follows:—

September (at the opening of college)	\$260
This sum includes \$110 on account of tuition, \$100 on account of board, and \$50 on account of maintenance fee.	
February (before the beginning of the second semester)	215
This sum includes \$65, the balance of tuition payment, \$100, the balance due for board and \$50 the balance due for maintenance fee.	
Total of these payments for the year	\$475

These students find rooms in the village of Wellesley. Payment is made to the head of the house at such rates and times as the parties to the arrangement may agree upon. Information regarding boarding places may be obtained by addressing the Registrar.

b. Students who neither lodge nor board in college buildings make payment for tuition and maintenance fee as follows:—

September (at the opening of college)	\$160
February (before the beginning of the second semester) .	65
Total of these payments for the year	\$225

These students find room and board in the village of Wellesley. Payment is made to the head of the house at such rates and times as the parties to the arrangement may agree upon. Information regarding boarding places may be obtained by addressing the Registrar.

~~1~~ *Payments must be made before the student can take her place in the class room. No exception will be made to this rule without a written permission from the Treasurer.*

~~1~~ *Checks or money orders should be made payable to Wellesley College.*

FEES

I. Undergraduate.

An *application fee* of \$10 is required from all candidates for admission, and no application is recorded until the fee is received (see page 149). The same fee is required from all students in college who are intending to return for the following year, and from all former students who apply for re-admission. If the student enters college, the amount of the application fee is deducted from the first tuition bill after entrance. If formal notice of withdrawal is received at the College before August 15th of the year for which the application is made, the fee will be refunded. In all other cases it is forfeited to the College. A student who postpones entrance until the year following the one for which she first applied may transfer her application fee. But a fee so transferred will not be refunded if the student later decides to withdraw, unless the request for the transfer was received within the specified time. Requests for second transfers are sometimes granted, but a fee transferred a second time will not be refunded under any circumstances.

An additional charge is made for materials and the use of apparatus in the following laboratory courses: \$5 for each

laboratory course in Astronomy, Botany, Chemistry, Geology, Physics, Zoology; \$5 each for course 13 in Hygiene and for courses 9 and 10 in Musical Theory; \$2.50 each for the half courses 11 and 12 in Musical Theory; \$2 each for the studio courses in Art, and \$1 each for other Art courses, \$2 being the maximum charge for Art fees to any student. These fees are not subject to refund. Every student should also reckon on the expenditure of \$10 to \$25 annually for the purchase of books. At the time of taking the B.A. degree a diploma fee of \$5 is charged.

II. Graduate.

A matriculation fee of \$5 is payable when a student is accepted as a candidate for the Master's degree. The amount of this fee will be deducted from the diploma fee of \$25 payable when the degree is received.

RESIDENCE

The residence halls belonging to the College and situated within the limits of the campus are Stone Hall, Norumbega, Freeman, Wood, Wilder, Fiske, Pomeroy, Cazenove, Beebe, Shafer, Tower Court, Clafin Hall, and The Homestead. Eliot and Washington Houses, also the property of the College, and nine houses leased to the College for dormitory purposes in order to meet temporary needs, are situated outside and immediately adjoining the college grounds. All these houses are under the direction of officers appointed by the College. All the rooms are furnished, and supplied with electric lights.

~~☞~~ A student vacating a room before the close of the year, or relinquishing a room reserved for her at the beginning of the year, will be charged for board until the vacancy has been filled by an incoming student. Therefore, notice of intention to withdraw should be given at the earliest possible moment. No deduction is made for absences during the year.

All applications for rooms in college buildings take the date at which the application fee is received. (See pages 25 and 148.)

Until May first, but not after that date, *applications from former students* will take precedence of those of new students in the matter of rooms.

~~☞~~ No student can receive a diploma until a satisfactory settlement of all her college dues has been made.

HEALTH

The resident physician, Katharine P. Raymond, B.S., M.D., together with the Professor of Hygiene, the Director of Halls of Residence, and the President and the Dean of the College, *ex officio*, constitute a board of health to which all matters affecting the health of students are referred. Simpson Cottage is maintained as an infirmary under the charge of Dr. Raymond. Two trained nurses are in constant attendance. The services of the Resident Physician for consultation and treatment are free to all students.

FELLOWSHIPS AND SCHOLARSHIPS

A. FOR GRADUATES

THE ALICE FREEMAN PALMER FELLOWSHIP, yielding an income of about \$1,000, was founded in 1903, by Mrs. David P. Kimball.

The holder of this Fellowship must be a graduate of Wellesley College or some other American College of approved standing, a young woman of good health, not more than twenty-six years of age at the time of her appointment, unmarried throughout the whole of her tenure, and as free as possible from other responsibilities. The same person will not be eligible to the Fellowship for more than two years.

The Fellowship may be used for study abroad, for study at any American college or university, or privately for independent research. Several times during the period of tenure the holder of the Fellowship must furnish evidence that it is used for purposes of serious study and not for general culture; and within three years from entrance on the Fellowship she must present to the faculty a thesis embodying the results of the research carried on during the period of tenure.

Applications for this Fellowship should be received by the President of Wellesley College not later than February first of the academic year preceding that for which the Fellowship is asked.

HOLDERS OF THIS FELLOWSHIP

1904-1905—LEHMANN, HARRIET (Mrs. Kitchin), B.A. Ripon College, 1902; M.A. Northwestern University, 1903; Graduate Student Radcliffe College, 1904-1905.	<i>Biology.</i>
1905-1906—ANDRUS, GRACE MEAD (Mrs. de Laguna), B.A. Cornell University, 1903; Graduate Student Cornell University, 1903-1905. Declined the Fellowship, which was awarded to GARDINER, ELIZABETH MANNING (Mrs. Whitmore),	<i>Philosophy.</i>

Art.

B.A. Radcliffe College, 1901; M.A. Wellesley College, 1905; Student American School of Classical Studies in Rome, 1905-1907; American School of Classical Studies in Athens, 1907-1908; Instructor in Art, Wellesley College, 1908-1910; Assistant to Director, Worcester Art Museum, 1909-1913.

- 1906-1907—JOHNSON, ANNA (Mrs. Pell), *Mathematics*.
 B.A. University of South Dakota, 1903; M.S. University of Iowa, 1904; M.A. Radcliffe College, 1905; Graduate Student Radcliffe College, 1905-1906; Student University of Göttingen, 1906-1907, 1908; Instructor in Mathematics, University of South Dakota, 1907; Ph.D. University of Chicago, 1910; Instructor in Mathematics, 1911-1914, and Associate Professor, 1914-1918, Mt. Holyoke College; Associate Professor of Mathematics, Bryn Mawr College, 1918-
- 1907-1908—COOK, HELEN DODD (Mrs. Vincent), *Philosophy*.
 B.A. Wellesley College, 1905; M.A. 1907; Fellow in Philosophy and Psychology, Wellesley College, 1906-1907; Student at University of Würzburg, 1907-1909; Ph.D. University of Würzburg, 1909; Instructor in Psychology, Wellesley College, 1909-1913; Instructor in Psychology, Montclair Normal School, 1913-1916.
- 1908-1909—STONE, ISABELLE, *Greek*.
 B.A. Wellesley College, 1905; Graduate Student Cornell University, 1905-1908; Ph.D. Cornell University, 1908; Student American School of Classical Studies in Athens, 1908-1909; Reader in Greek, Bryn Mawr College, second semester, 1909-1910; Head of Greek and Latin Departments, Woman's College of Alabama, first semester, 1910-1911.
- 1909-1910—SCHÜPPERLE, GERTRUDE, *Comparative Literature*.
 B.A. Wellesley College, 1903; M.A. 1905; Graduate Student Radcliffe College, 1905-1907; Student University of Munich, 1907-1908; University of Paris, 1908-1911; Ph.D. Radcliffe College, 1909; Instructor in English, University of Illinois, 1911-1912; Instructor in German, New York University, 1912-1913; Instructor in English, 1913-1914, and Associate in English, 1914—, University of Illinois.
- 1910-1911—HIBBARD, LAURA ALANDIS, *English Literature*.
 B.A. Wellesley College, 1905; M.A. 1908; Graduate Student University of Chicago, 1909-1911; Ph.D. University of Chicago, 1916; Instructor in English Literature, Mt. Holyoke College, 1908-1916; Instructor in English Literature, 1916-1917, and Associate Professor, 1917—, Wellesley College.
- 1911-1912—BARBOUR, VIOLET, *History*.
 B.A. Cornell University, 1906; M.A. 1909; Graduate Scholar in History, Cornell University, 1908-1909; carrying on historical research in England, France, and Holland, 1911-1913; Ph.D. Cornell University, 1914; Instructor in History, 1914—, Vassar College.
- 1912-1913—COATS, BESSIE MARION, *Philosophy*.
 B.A. Vassar College, 1907; Mary E. Ives Fellow, Yale University, 1910-1911; Graduate Student Radcliffe College, 1911-1915; M.A. Radcliffe College, 1912; Principal of Ferry Hall, Lake Forest, Ill., 1915-1918; Principal of Bradford Academy, Bradford, Mass., 1918—.
- 1913-1914—STOCKING, RUTH, *Zoology*.
 B.A. Goucher College, 1910; Graduate Student Goucher College and Johns Hopkins University, 1910-1911; Graduate Student Bryn Mawr College, 1911-1912; University Fellow in Zoology, Johns Hopkins University, 1912-1913; Johns Hopkins University, 1913-1914; Ph.D. Johns Hopkins University, 1915; Professor of Biology, Agnes Scott College, 1915-1916; Professor of Biology, Wells College, 1916—.
- 1914-1915—HOLDEN, RUTH, *Botany*.
 B.A. Radcliffe College, 1911; M.A. Radcliffe College, 1912; Graduate Student Radcliffe College, 1912-1913; Student in Botany School, Cambridge University, England, 1913. Died April 23, 1917.
- 1915-1916—HAZLETT, OLIVE CLIO, *Mathematics*.
 B.A. Radcliffe College, 1912; M.S. University of Chicago, 1913; Graduate Student and Fellow, University of Chicago, 1912-1915; Holder of Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-1915; Ph.D. University of Chicago, 1915; Student at Radcliffe College, 1915-1916; Associate in Mathematics, Bryn Mawr College, 1916-1918; Instructor in Mathematics, Mt. Holyoke College, 1918—.
- 1916-1917—HAZLETT, OLIVE CLIO, *Mathematics*.
 Declined the Fellowship which was awarded to
 DUNN, GRACE ADELAIDE, *Botany*.
 Ph.B. Hamline University, 1909; M.A. Johns Hopkins University, 1914; Ph.D. Johns Hopkins University, 1915.

1917-1918—HEMPL, HILDA (Mrs. Heller),
 B.A. Leland Stanford, Jr., University, 1914; M.S. University of Michigan, 1915;
 Holder of the Scandinavian-American Fellowship, 1915-1916; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1916-1917. Student at University of California, 1917-1918. *Bacteriology.*

1918-1919—COHEN, TERESA,
 B.A. Goucher College, 1912; M.A. Johns Hopkins University, 1915; Ph.D. Johns Hopkins University, 1918.

THIRTY GRADUATE SCHOLARSHIPS TO THE VALUE OF \$175 A YEAR, the equivalent of one year's tuition, have been established for the benefit of approved candidates for the M.A. degree in residence at Wellesley. Applications for these scholarships should be addressed to the College Recorder, Wellesley College, Wellesley, Mass.

SCHOLARSHIPS IN SCHOOLS OF CLASSICAL STUDY.—Studentships in the American School of Classical Studies in Athens, and the American Academy in Rome, are open to graduates and graduate students of Wellesley College who have done sufficient work in the classics to meet the admission requirements. The object of these schools is to afford opportunity for the study of classical literature, art, and antiquities, to aid in original research in these subjects, and to conduct the exploration and excavation of classical sites.

The American School of Classical Studies in Athens.—The school year extends from October first to June first. The regulations for admission are as follows: "Bachelors of Arts of co-operating colleges, and all Bachelors of Arts who have studied at one of these colleges as candidates for a higher degree, shall be admitted to membership in the School on presenting to the Committee a certificate from the classical department of the college at which they have last studied, stating that they are competent to pursue an independent course of study at Athens under the advice of the Director. Members of the school are subject to no charge for tuition." * Further information can be had by application to Professor Chapin or Professor Walton, who represent Wellesley College upon the Managing Committee of the School.

The American Academy in Rome, School of Classical Studies.—The American School of Classical Studies is now one of the consolidated schools of the American Academy in Rome. The school year extends from the fifteenth of October to the fifteenth of June. It is hoped that a summer session also for teachers of the classics may be arranged. For information in regard to the work of the School and the requirements for admission, application may be made to Professor Hawes.

* A few Fellowships are awarded on competitive examination.

SCHOLARSHIPS IN THE MARINE BIOLOGICAL LABORATORY AT WOOD'S HOLE*.—Wellesley College offers annually two scholarships for study at this laboratory. The laboratory is open to investigators for the whole year. During the summer three courses in Zoology and two in Botany are offered to those needing instruction. Applicants desiring to take any of these courses must have completed a college course in the subject in which they wish to work.

Students in either Botany or Zoology who desire to undertake original work will receive suitable direction. In addition to these opportunities there are courses of lectures on special topics and on subjects of general biological interest. Applications for appointment should state the character of the work to be done,—*i.e.*, whether botanical or zoological, whether general work, investigation under direction, or independent investigation.—and should be forwarded to Professor Hubbard or Professor Ferguson in time to reach Wellesley College before April first.

SCHOLARSHIPS AT THE ZOOLOGICAL STATION IN NAPLES.—Wellesley College is a subscriber to the support of the American Women's Table at the Zoological Station in Naples, and thus has a voice in the selection of the persons who make use of it. Such persons must be capable of independent investigation in Botany, Zoology, or Physiology. Appointments are made for a longer or shorter period, as seems in each case expedient. Applications for the use of the table may be made through the President of the College.

B. FOR UNDERGRADUATES

The income of these scholarships is applied to the aid of meritorious undergraduate students whose personal means are insufficient for their maintenance in college.

THE WOOD MEMORIAL SCHOLARSHIP of \$5,000, founded in 1878, by Caroline A. Wood, in memory of her husband.

THE GROVER SCHOLARSHIP of \$5,000, founded in 1878, by William O. Grover.

THE WESTON SCHOLARSHIP of \$5,000, founded in 1878, by David M. Weston.

THE NORTHFIELD SEMINARY SCHOLARSHIP of \$5,000, founded in 1878.

THE PAULINE A. DURANT SCHOLARSHIP of \$6,000, founded in 1880, by Mr. and Mrs. Henry F. Durant.

* On the approval of the Department, the scholarship in Botany may be assigned, under special conditions, for study in other summer laboratories.

THE SWEATMAN SCHOLARSHIP of \$5,000, founded in 1880, by V. Clement Sweatman.

THE WALTER BAKER MEMORIAL SCHOLARSHIP, founded in 1880, by Eleanor J. W. Baker; raised to \$7,000 by will of Mrs. Baker in 1892.

THE ANNIE M. WOOD SCHOLARSHIP, founded in 1880, by Frank Wood, who maintained it by annual payments; established at \$10,000 in 1915 by bequest of Mr. Wood.

TWO FROST SCHOLARSHIPS, founded in 1880, by Rufus S. Frost, as follows:—

One of \$1,000, the income to be given annually to some member of the graduating class designated by the Faculty.

One of \$5,000, the income to be devoted annually to the aid of students.

THE UNION CHURCH SCHOLARSHIP, founded in 1880, by Mr. and Mrs. A. W. Stetson.

THE FLORENCE N. BROWN MEMORIAL SCHOLARSHIP of \$5,000, founded in 1880, by Mr. and Mrs. Samuel N. Brown, Jr.

THE AUGUSTUS R. CLARK MEMORIAL SCHOLARSHIP of \$5,000, founded in 1880, by Mr. and Mrs. A. N. Clark.

FOUR HARRIET FOWLE SMITH SCHOLARSHIPS, founded in 1881, by Henry Fowle Durant in memory of his mother.

THE DURANT MEMORIAL SCHOLARSHIP of \$5,000, founded in 1883, by the officers and students of Wellesley College, in honor of Henry F. Durant, the income to be appropriated annually to some student selected by the Faculty.

THE JANE TOPLIFF MEMORIAL SCHOLARSHIP of \$6,000, founded in 1883, by Mrs. William S. Houghton, in memory of her mother.

THE INCOME OF A FUND of \$25,000, known as the Stone Educational (Scholarship) Fund, founded in 1884, by Valeria G. Stone.

THE JEANNIE L. WHITE SCHOLARSHIP of \$5,000, founded in 1886, by herself.

THE MR. AND MRS. SOLOMON F. SMITH MEMORIAL SCHOLARSHIP, founded in 1888, by George Smith, for the tuition of students from the town of Wellesley.

THE MARGARET McCCLUNG COWAN FUND of \$1,000, founded in 1888, by Rev. and Mrs. P. D. Cowan, in memory of their daughter.

THE EMMELAR SCHOLARSHIP of \$5,000, founded in 1889, by the class of 1891, the income to be appropriated annually to some student selected by the Faculty.

THE SARAH J. HOUGHTON SCHOLARSHIP of \$6,000, founded in 1889, by William S. Houghton, in memory of his wife.

THE EDITH BAKER MEMORIAL SCHOLARSHIP of \$7,000, founded by bequest of Eleanor J. W. Baker in 1892.

THE JOSEPH N. FISKE MEMORIAL SCHOLARSHIP of \$8,000, founded in 1892, by Mrs. J. N. Fiske.

THE ABBIE A. COBURN MEMORIAL SCHOLARSHIP of \$2,000, founded in 1892.

THE ELIZA C. JEWETT SCHOLARSHIP of \$6,000, founded in 1894; the income to be appropriated to the daughter of a clergyman, or of a home or foreign missionary, selected by the Faculty of the College.

THE ADA L. HOWARD SCHOLARSHIP of \$6,000, founded in 1895.

THE HELEN DAY GOULD SCHOLARSHIP, founded in 1896, by Helen Miller Gould (Shepard), in memory of her mother; raised to \$10,000 by the donor in 1901.

THE GOODWIN SCHOLARSHIP of \$5,000, founded in 1897, by Hannah B. Goodwin.

THE HYDE SCHOLARSHIP of \$2,000, founded in 1898, by Sarah B. Hyde.

THE BILL SCHOLARSHIP of \$7,000, founded in 1898, by Charles Bill.

THE HOLBROOK SCHOLARSHIP of \$3,000, founded in 1898, by Sarah J. Holbrook.

THE (SECOND) HELEN DAY GOULD SCHOLARSHIP, founded in 1899, by Helen Miller Gould (Shepard); raised to \$10,000 by the donor in 1901.

THE MARY ELIZABETH GERE SCHOLARSHIP of \$5,000, founded in 1899, by Mary Elizabeth Gere.

THE ANN MORTON TOWLE MEMORIAL SCHOLARSHIP FUND of \$5,000, established in 1901, by bequest of George Francis Towle.

- THE DANA SCHOLARSHIP of \$5,000, founded in 1901, through the gift of Charles B. Dana.
- THE (THIRD) HELEN DAY GOULD SCHOLARSHIP of \$10,000, founded in 1901, by Helen Miller Gould (Shepard).
- THE GEORGE WILLIAM TOWLE MEMORIAL SCHOLARSHIP FUND of \$6,750, founded in 1901, by bequest of George Francis Towle.
- THE ANNA PALEN SCHOLARSHIP of \$10,000, founded in 1902.
- THE ROLLINS SCHOLARSHIP of \$8,000, founded in 1903, by Augusta and Hannah H. Rollins, in memory of their parents.
- THE CLASS OF 1889 MEMORIAL SCHOLARSHIP of \$1,000, founded in 1904, by the class, in memory of classmates who have died.
- THE ELIZABETH S. FISKE SCHOLARSHIP of \$5,000, founded in 1904, by bequest of Miss Fiske.
- THE MAE McELWAIN RICE MEMORIAL SCHOLARSHIP of \$1,000, founded in 1905, by the class of 1902.
- THE SANBORN ALUMNÆ SCHOLARSHIP, yielding \$450 annually, founded in 1905, by Helen J. Sanborn of the class of 1884, for the benefit of daughters of alumnae.
- THE JULIA BALL THAYER SCHOLARSHIP of \$2,000, founded in 1907, by bequest of Mrs. Julia Beatrice Ball Thayer, of Keene, N.H.
- THE ADAMS SCHOLARSHIP of \$2,000, founded in 1907, by bequest of Adoniram J. Adams, of Boston.
- THE McDONALD-ELLIS FUND of \$500, established in 1908 by former students of the McDonald-Ellis School of Washington, D.C., in memory of the late principals of the school.
- THE RANSOM SCHOLARSHIP of \$1,000, founded in 1908, by bequest of Catherine Ayer Ransom.
- THE EMILY P. HIDDEN SCHOLARSHIP of \$2,000, founded in 1909, by bequest of Mary E. Hidden.
- THE ETHEL HOWLAND FOLGER WILLIAMS MEMORIAL FUND, established in 1911 from the estate of the late Ethel Howland Folger (Williams) of the class of 1905, the income to be given to a sophomore at the end of the first semester at the discretion of the head of the German department.
- THE SOPHIE JEWETT MEMORIAL SCHOLARSHIP of \$1,000, founded in 1911, by Elsa D. James.

THE MILDRED KEIM FUND of \$10,000, founded in 1912 by Newton and Frances S. Keim, in memory of their daughter, Mildred Keim.

THE CONNECTICUT SCHOLARSHIP of \$5,000, founded in 1912, by the will of Louise Frisbie.

THE ANNA S. NEWMAN MEMORIAL SCHOLARSHIP of \$1,000, established in 1913, through the gift of former students.

THE MARY G. HILLMAN MATHEMATICAL (Prize) SCHOLARSHIP of \$1,000 established in 1913 by Elizabeth A. Hillman in memory of her sister.

THE CLASS OF 1893 MEMORIAL SCHOLARSHIP of \$5,000, established by the class in 1913.

THE M. ELIZABETH GRAY SCHOLARSHIP of \$10,000, established in 1914 by bequest of William J. Gray.

THE CORA STICKNEY HARPER SCHOLARSHIP of \$2,000, established in 1915, by bequest of Mrs. Cora Stickney Harper.

THE OLIVER N., MARY C., AND MARY SHANNON FUND of \$15,000, established in 1916, by bequest of Mary Shannon, as a permanent fund for free scholarships.

THE DR. ALMA EMERSON BEALE SCHOLARSHIP FUND of \$3,000, founded in 1917 by bequest of Dr. Alma E. Beale of the class of 1891; the income to be applied annually to a student of the College who intends to become either a foreign or a home missionary, or, second, to a student of the College who is the daughter of a clergyman.

Another source of pecuniary aid is in the work of the Students' Aid Society established by the founders of Wellesley and revived and incorporated by the alumnae of the College in April, 1916. The Wellesley College Loan Fund, established in 1908 through contributions from alumnae and other friends of the College, is included in the resources of the Students' Aid Society. Small amounts are loaned to students without interest in expectation that these students will repay whenever they are able. Assistance is often given partly in gifts and partly in loans. The existing funds are not sufficient to meet the wants of deserving applicants, and contributions of any amount will be gladly received by the treasurer, Miss Mary Caswell, Wellesley College.

In one dormitory a reduction is allowed on payment for board, under certain conditions.

LIBRARY

THE LIBRARY of the College, endowed by Eben Norton Horsford, now numbers 85,469 volumes, including the departmental and special libraries enumerated below. The General Library is open on week days from 8.10 A. M. to 9.30 P. M., and on Sundays from 2.30 to 5.30 P. M. Students have direct access to the shelves. The library is catalogued by author and subject entries, and the most recent and useful bibliographical aids are provided; special effort is made by the librarians to train students in methods of research.

The Library subscribes for six daily and three weekly papers and for three hundred and twenty American and foreign periodicals. The list includes the most important representatives of the branches of instruction comprised in the college curriculum.

THE GERTRUDE MEMORIAL LIBRARY, established by Mr. A. A. Sweet, the MISSIONARY LIBRARY, and other collections in the General Library, furnish 7,540 volumes for Biblical study and religious reading.

THE PLIMPTON LIBRARY, established by Mr. George A. Plimpton, in memory of his wife, Frances Persons Plimpton, of the class of 1884, comprises 931 volumes of early Italian literature, including both manuscripts and printed books of the fifteenth century.

The following collections are placed in the buildings of the respective departments:—

- Art Library, 2,567 volumes.
- Botany Library, 835 volumes.
- Chemistry Library, 804 volumes.
- Astronomy Library, 1,037 volumes.
- Hygiene Library, 2,356 volumes.
- Music Library, 1,096 volumes.

GYMNASIUM

The department of Hygiene occupies the new Mary Hemenway Hall on the western border of the college grounds. It is designed to meet the requirements of the course for the training of teachers of hygiene, and to provide practical instruction for the entire College. The equipment includes large, well-lighted gymnasiums with ample bathing facilities,

administrative offices, class rooms, and laboratories for anatomy, physiology, bacteriology, hygiene, anthropometry, corrective gymnastics, and research. Immediately adjoining Mary Hemenway Hall are tennis and archery courts, basket ball, baseball and hockey fields, an oval for horse back riding and a riding hall, with room for further expansion. Lake Waban furnishes facilities for rowing and skating, and there is also a golf course with a clubhouse. The equipment of the department is designed solely to aid in the application of modern principles of science to the maintenance and promotion of health.

THE FARNSWORTH ART BUILDING AND ART COLLECTIONS

The Farnsworth Art Building, the gift of the late Isaac D. Farnsworth, was opened in September, 1889. Besides lecture rooms, galleries for collections, and studios for drawing and painting, a special feature is the arrangement of laboratories and libraries, so that the books and art material relating to particular subjects and periods can be made immediately available to general students.

The Art Collection consists of a large number of photographs and other material, including the James Jackson Jarves collection of laces and vestments; the M. Day Kimball Memorial, consisting of original pieces of antique sculpture; a few examples of early Italian painting; a collection of Indian baskets, the gift of Mrs. Rufus S. Frost; various Egyptian antiquities obtained through the kindness of the late Mrs. John C. Whitin, including certain interesting papyri; and scarabs and seals from the collection of Dr. Chauncey Murch, the gift of Mrs. Helen M. Gould Shepard; the Stetson collection of modern paintings, and a few other examples.

The collection of photographs and other reproductions numbers over thirteen thousand.

EQUIPMENT IN MUSIC

Music Hall and Billings Hall are large brick buildings, devoted to the department of Music. Music Hall contains offices, studios, and practice rooms equipped with thirty-one new pianos of standard makes, a Victrola and two Player-pianos; also a large room, containing a two-manual

pipe organ for the use of the organ pupils. Billings Hall, opened in 1904, contains the office of the Professor of Music, the library and class rooms for instruction in Musical Theory; also a concert room, seating four hundred and ten people, and containing the Grover organ,—a large three-manual organ, rebuilt and modernized.

The Music Library, includes a collection of manuscripts, about two hundred scores (Symphony, Opera, Oratorio, and Cantata), two hundred songs, two hundred piano arrangements (two, four, and eight hands), besides six hundred and fifty reference books on musical subjects. The department owns ninety-three records for the Victrola and two hundred and eighty records for the Player-pianos.

LABORATORIES AND SCIENTIFIC COLLECTIONS

ASTRONOMY

The Whitin Observatory is a substantial one-story building of white marble, devoted entirely to the department of Astronomy. It consists of two wings at right angles to each other. At the west end is a transit room containing a Bamberg prismatic transit of three inches aperture. Next is a circular room, 25 feet in diameter, containing a 12-inch Clark equatorial refracting telescope. This room is surmounted by a hemispherical dome which is revolved by an electric motor. The west wing of the building contains also a large room in which is kept the department library, and a small spectroscopic laboratory with a Rowland concave grating spectroscope of six feet focal length. The south wing contains a large, well-lighted room for daytime laboratory work, a dome room containing a six-inch Clark equatorial, and a second transit room with a small transit.

The large equatorial is provided with a filar micrometer, a polarizing photometer and a six-prism spectroscope. The Observatory is supplied with two Howard sidereal clocks, a Bond mean-time chronometer and two chronographs, any of which may be connected electrically through a switchboard with keys near the various telescopes; a Browning 4½-inch refractor mounted on a tripod; a Berger surveyor's transit; a Gaertner comparator for measuring spectrograms; a pro-

jecting lantern and about 400 astronomical lantern slides; and a large collection of illustrative apparatus and photographs.

The Observatory is situated on a small hill on the college grounds, from which is obtained a wide view of the heavens. The astronomers' residence is close by. Both the Observatory and the house, and also the greater part of the astronomical equipment, are the gift of the late Mrs. John C. Whitin.

BOTANY

The department of Botany has well-equipped laboratories and a range of greenhouses.

The illustrative collections comprise an herbarium of over twenty thousand phanerogams and twenty-one thousand cryptogams, including the lichen collection of the late Prof. Clara E. Cummings; also a collection of woods, fruits, and economic vegetable products; three hundred charts by Henslow, Kny, Dodel, Tschirch, and others; a collection of Auzoux's botanical models; Brendel's glass models of cryptogams; seventeen hundred water color paintings of North American plants by Helen Frances Ayres; lantern slides and microscopic mounts. In addition collections for a permanent museum now number more than five thousand specimens.

The department has an "Outdoor Laboratory" for the use of certain courses. The greenhouses contribute to all the courses in the department; but are of especial importance in connection with the work in landscape gardening; in plant physiology and ecology.

The native flora about Wellesley is easily accessible, furnishing a convenient field for both the taxonomist and ecologist. The library ranks with the best botanical libraries in the country and is well supplied with reference works and with current periodicals.

CHEMISTRY

The department of Chemistry occupies a separate building, which contains two lecture rooms and the chemical library, in addition to the rooms fitted up for laboratory work. Separate rooms are provided for work in General and Organic Chemistry, Qualitative and Quantitative Analysis, and Air, Water and Food Analysis. The building is conveniently arranged and well equipped with necessary apparatus and appliances.

During the summer of 1918, a large well-lighted room, with all-modern laboratory equipment, was added, for the use of the courses in Organic Chemistry.

GEOLOGY AND GEOGRAPHY

The department of Geology and Geography has a large and well-equipped lecture hall provided with a Leitz epidiascope for lantern slide and opaque projection. One end of this room has been equipped with desks for use as a geology laboratory, and another room is adequately furnished for a geography laboratory.

The Geology Museum contains a typical college collection of dynamical, structural, and historical geology specimens,—a systematic collection of minerals arranged according to Dana, and a systematic collection of rocks. There are three collections arranged for class-room use,—one each in mineralogy, petrology and structural and historical geology. These collections are all the generous gifts of colleges, museums and friends. The department has two noteworthy collections. The first is the Horace I. Johnson Mineral Collection, which consists of five thousand valuable and beautiful mineral specimens, including many precious metals and stones. This collection is the gift of Mr. John Merton of Calumet, Michigan, and was presented through the Class of 1915 by the courtesy of Miss M. Helen Merton. The second is the Reverend David F. Pierce Collection, which includes a complete and rare collection of building and ornamental stones and many precious and semi-precious minerals. This collection is the gift of Professor Frederick E. Pierce of Yale, Miss Anna H. Pierce, and Miss Mary E. Pierce of the Class of 1898.

The maps of the department include wall maps of different countries and sections of countries; all the United States Geologic Folios, and over six thousand topographic maps of the United States Geologic Survey, the gift of the Survey. Three thousand of these latter maps are arranged in groups to illustrate geographic types.

The department has fifteen hundred lantern slides which illustrate all phases of geology and geography.

MATHEMATICS

The fine collection of Mathematical Models was destroyed by fire in March, 1914. At present there is only a small number of models for use in the elementary work.

PHYSICS

The department of Physics occupies temporary quarters consisting of a conveniently arranged lecture room, fitted with direct and alternating current and gas, laboratories for general physics, electricity, heat and light.

The equipment, destroyed by fire in March, 1914, is being replaced as rapidly as war conditions permit. The lecture apparatus is sufficient to permit a wide range of experimental lectures. In the elementary laboratory duplication of apparatus permits a close co-ordination between lectures and laboratory exercises. The advanced laboratory equipment is especially strong in electrical apparatus, and in optics includes such instruments as the Reichsanstalt precision photometer, a Michelson interferometer, Société Genevoise spectrometer, a comparator designed by E. B. Frost, etc.

PSYCHOLOGY

The temporary quarters of the laboratory now include seven rooms, six in the north wing of the Administration Building and one in the basement of the Art Building. The equipment, entirely destroyed by fire in March, 1914, is being replaced as fast as war conditions permit. Fair provision is made both for demonstration and for general experimental work.

ZOOLOGY

The department of Zoology is housed in a small temporary building consisting of four laboratories, three offices, a general work room and a museum room. The building is supplied with water, heat, electricity and gas. The laboratories are equipped for present needs with microscopes, physiological apparatus, slides for histology and embryology, Leuckart charts, and a collection of skeletons and alcoholic specimens. All the courses except two are given in the new temporary building. The work in anatomy is conducted in the laboratories in Mary Hemenway Hall.

The nucleus of a new museum is already formed through gifts of bird skins, insects, shells, and a collection of invertebrates from the Zoological Station at Naples, and another from New England.

FORMS OF BEQUEST

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be safely invested by it, and called the _____ Endowment Fund. The interest shall be applied to the payment of the salaries of teachers in Wellesley College, as the Trustees shall deem expedient.

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be appropriated by the Trustees for the benefit of the College in such manner as they shall think will be most useful.

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be safely invested by it, and called the _____ Scholarship Fund. The interest of this fund shall be applied to aid deserving students in Wellesley College.

DEGREES CONFERRED IN 1918

MASTER OF ARTS

HAZEL BEACH (B.A., Ohio State University, 1915), *Education; French*.
LEONORA BRANCH (B.A., Smith College, 1914), *English Literature; English Composition*.
ELIZABETH HUNT MORRIS (B.A., Wellesley College, 1913), *Philosophy and Psychology*.
NELLIE MAY REEDER (B.A., Wellesley College, 1911), *Economics and Sociology*.

BACHELOR OF ARTS

MARION BOND ABBEY
EVELYN BEATRICE ABELSON
RUTH MARGERY ADDOMS
VIRGINIA ALCOCK
BERNICE HELEN ALDERMAN
MIRIAM ESTHER ALLEN
MILDRED DE WITT ALLISON
RUTH PEABODY ALTMAN
DOROTHY BARLOW ANDERSON
ELISE ANDERSON
GENEVIEVE OLcott ANDERSON
HELEN ATKINS
MARGUERITE ATTENBURY
CATHARINE ATWOOD
ANNE REBECCA AVERY
MARGARET WOODS BABCOCK
CORDELIA HULBURD BALL
RUTH EVELYN BARD
LILLIAN MARGUERITE BARR
ELIZABETH FORT BARRINGTON
FLORENCE MARION BARTLETT
ISABEL DEMING BASSETT
LOUISE NOWELL BATT
ETHEL MABERRY BAUSUM
MARJORIE BEACH
HELEN DEARBORN BEAN
CAROLINE ELSA BERGHEIM
LUCY BRADFORD BESSE
DOROTHY FRANCES BIRDSELL
MARY VIRGINIA BISHOFF
VIOLA PAULINE BLACKBURN
HELEN FROTHINGHAM BLAKE
BEATRICE FRANCES BLOCH
KATHARINE BONBRIGHT
KADAH BOOTH
CATHARINE BOYD
EDITH BOYD
GERTRUDE CONWAY BOYD
MARGARET FRANCES BOYD
KATHRYN BOYNTON
DOROTHY BREWER
GERTRUDE REXFORD BRISTOL
HELEN VIRGINIA BROE
PAULINE HUBBARD BROWN
RAE MARGUERITE BROWN
OLIVE SHERMAN BRYANT
DOROTHY FARRAH BUCK
OLIVE ESTELLE BULLEY
KATHRYN BURKHALTER
LUCINTHIA BUTLER
MILDRED BUTLER

CLARA CALDWELL
BLANCHE THORNBURG CAMERON
HELEN RUTH CAMP
RUTH CANDLIN
ANNA LOUISE MARGARET CARLIN
JERALDINE SUSAN CARMICHAEL
MARION COURTNEY CARRICK
GRACE RUSSELL CHADWICK
MARY ELIZABETH CHINN
CATHARINE CHITTENDEN
KATHARINE COCHRAN COAN
MARION RIGHTER COBB
RUTH MICHAELS COHN
JESSIE LILLIAN COLVILLE
MARY ELIZABETH GERE CONKLIN
CLARE ALICE COOLIDGE
JOSEPHINE CROSBY COOPER
FLORENCE DORCAS CRAIG
MARJORIE JOYCE CROSBY
RUTH ELIZABETH CROSBY
LOUISE CROSS
LOUISE CARPENTER CROSSLEY
MIRIAM EDITH TOWL CULBERT
MARY ELIZABETH CURRAN
EVELYN MABEL DANA
MARION DAVIS
MARGARET ANDRESS DAVISON
ELEANOR DAWES
ANNA FRANCES DEAL
JANE CELIA DE GRAFF
SARAH SAVILLA DEITRICK
DOROTHY ADELAID DIBBLE
ELEANOR MITCHELL DICKSON
ALICE DIMICK
BLANCHE SUSAN DOE
LAURA ELIZABETH DONEY
KATHERINE AILEEN DONOVAN
BEATRICE ORME DOUGLAS
RUTH LISETH DRURY
FRANCES DUNHAM
RUTH BRYANT DUNN
ANGIE VIRGINIA EAMES
VIRGINIA EASTMAN
HELEN LOUISE EDWARDS
MARY JETTE EDWARDS
KATHLEEN ELLIOTT
JANE ELIZABETH EMERY
EDITH ILETT EPLER
ALICE JOSEPHINE FAIRBANKS
LILITH MILDRED FARIS
HELEN PORTER FARRELL

EDITH MARY FELIN
 ELIZABETH HARPER FELTON
 MARY MARSHALL FILBERT
 ESTER IDA FISMER
 ADELA FRANCES FITTS
 MARY CROZIER FLEET
 MARY LOUISE EULALIA FRANCIS
 GERTRUDE ATHERTON FRASER
 MARION CHASE FRENEYAR
 IRMA MEYER FRIEDLAENDER
 ANNA SHAW GIFFORD
 FLORENCE MABEL GIFFORD
 MARGARET LOUISE GILES
 DOROTHY GLENN
 MARGARET MAUD GOLDSCHMIDT
 DOROTHY GYPSON GORDON
 GLADYS LOUISE GORDON
 ELSA GRAEFE
 DOROTHY GRAFLY
 LOUISA-MAY GREELEY
 DOROTHY SOMERVILLE GREENE
 GERTRUDE MARTHA GREENE
 EVA MARIE GRENIER
 EDITH JENNETT GRIMES
 MARGUERITE ESTHER GRIMMER
 CAROLYN MAIE HALL
 ELIZABETH HAMBLIN
 HELEN PAUL HAMMELL
 MARJORIE BANKS HAMMOND
 MARION HARBISON
 HARRIETTE O'BRIEN HARDING
 RUTH HELEN HARDING
 LEOLA JUDITH HARRIS
 MARGERY EVELYN HARRIS
 HELEN ROWENA HASBROUCK
 GISELA KRUGER HASLETT
 RUTH JEANNETTE HASTINGS
 GLADYS HAVEN
 MARION HAYES
 MARIE HENZE
 HELEN SHAFFER HERSHY
 THEODORA LOUISE HEYDEN
 MARY ALICE HILDRETH
 RUBY HILLMAN
 EDNA HILLS
 ANNA MARIE HINNAU
 CHARLOTTE MARIA HITCHCOCK
 HELEN HUNTINGTON HOLLADAY
 PAULINE HOLLEY
 OLIVE HOLMES
 PAULINE HOLMES
 CATHARINE AMANDA HOPE
 RUTH CLARISSA HOUGHTON
 HELEN HOWE
 MARGARET MORRIS HOWE
 ALICE MIRIAM HUDSON
 MILDRED COURTLAND JAGGER
 ALNAH JAMES
 JANETTE GERTRUDE JARDINE
 MADELINE BEATRICE JARVIS
 HELEN REBECCA JENCKES
 ESTHER EVELYN JOHNSON
 HELENA ADELINA JOHNSON
 AGNES HAWTHORNE JOHNSTON
 EVELYN CATHERINE JONES
 NORMA JOSEPHSON
 WILHELMINA MAGDALEN JOSOPAIT
 MARTHA-JANE JUDSON
 MARGERY KEELER
 ETHEL LOUISE KELLER

CORNELIA HOPKINS KELLOGG
 KATHERINE MARGARET KINSMAN
 ADELINE BABETTE KLEIN
 NANCY MARGARET KUGLER
 MONA MATTHEWS LACY
 FRANCESCA RAYMOND LA MONTE
 AGNES ADELE LANGE
 RUTH LOUISE LANGE
 MILDRED LAUDER
 ALICE CAROLYN LAW
 HELEN LENT
 ETHELEEN MAUDE LESURE
 EMELYN LOUISE LEWIS
 HESTER STEVENS LEWIS
 GLADYS BELLE LIEBMAN
 MILDRED PRINCE LITTLE
 IDA VESTA LOCKWOOD
 ELIZABETH ECKBERT LUFTER
 HELEN LE FÈVRE LYON
 KATHERINE SHEEHAN McCAFFERTY
 SADIE ARLETTA MACFARLAND
 ELIZABETH MCPHERSON MCGILL
 HENRIETTA MACKENZIE
 MARIE MORRISON MCKINNEY
 CAROLINE GOSS McLOUTH
 MARGARET MCNAUGHTON
 MARGARET MACPHERSON
 MARION PRENTICE MADDEN
 ANNE JONES MAIDMENT
 EVELYN MALLON
 MARGARET THOMSON MAXWELL
 BESSIE MEAD
 RUTH ELIZABETH MERRILL
 LOIS CHARLOTTE MERTZ
 MILDRED MEYERS
 DOROTHY GERTRUDE MILLER
 MARGARET BEE MILLER
 EDITH AUGUSTA MITCHELL
 ELEANOR ELIZABETH MITCHELL
 FANNIE SANDERSON MITCHELL
 HELEN BELCHER MITCHELL
 KATHARINE MOLLER
 ELLEN MONTGOMERY
 MAE TERESA MOONEY
 DOROTHY MOORE
 EMILY MORGAN
 NAOMI FRANCES MORRIS
 EVELYN NAV
 HILDEGARDE NICHOLS
 LUCY GARDNER NICHOLS
 MILDRED CELESTINE NICHOLS
 ANNA WALLACE NOCK
 JEANNETTE BEARD NOSTRAND
 MARGARET GWENYDD NOYES
 DOROTHY ONTHANK
 FLORENCE ELISABETH OSGOOD
 BEATRICE ELAINE OSTRANDER
 BEATRICE PAGE
 MARION ELIZABETH PARK
 JOSEPHINE STANLEY PARTRIDGE
 ALICE KATHARINE PATON
 ANNA FRANCES PATON
 KATHRYN CARTER PATERSON
 CHARLOTTE MARTIN PENFIELD
 DOROTHY FAULKNER PETERSON
 FRANCES HOWARD PETTEE
 SARAH ELIZABETH PICKETT
 MARGARET PIERSON
 DORIS DIANA PIKE
 BERTHA RICHARDSON ALEXANDER PLUMMER

BEATRICE WHITNEY POWELL
 MARCIA SUSAN PRIEST
 LIDORRA HOLT PUTNEY
 VIVIAN HELEN RANDOLPH
 FANNIE COOLBAUGH RANE
 ROBB AFTON REAVILL
 RUTH FARISH REYNOLDS
 DOROTHY RICE
 HELEN OLIVIA RICE
 GRACE ROBERTS
 MARY ALETTA ROBINSON
 RUTH KATHERINE ROBINSON
 SARAH SOUTHWICK RODMAN
 DOROTHY VIOLA ROGERS
 HELEN GRIGGS ROOF
 MARION ROOSE
 EDNA MAY ROWELL
 MARTHA BARBARA ST. CLAIR
 HELEN HOOVEN SANTMYER
 FRANCES SAPPININGTON
 ELEONORE MATILDE SCHNEPF
 AMY ESTHER SCHWAMB
 MARGUERITE SHATTUCK
 HELEN MILDRED SIBLEY
 MARGARET HASTINGS SKELTON
 ELIZABETH MINETTE SKINNER
 FRANCES ELIZABETH SLOCUM
 MARY ESTHER SMITH
 SARAH FRANCES SMITH
 HELEN SNOW
 JEAN CHIRON SNYDER
 MARY BURCHARD SPAHR
 DOROTHY LOUISE STACY
 LEILA BEATRICE STARR
 DOROTHY LONG STERN
 MARTHA JOSEPHINE STEVENSON
 ADELAIDE STICKNEY
 MARJORIE IRENE STICKNEY
 LOUISE PEPIN STOCKBRIDGE
 MARJORIE WILLIAMS STONE
 ALICE STRECKEWALD
 LILLIAN MARGARET STRUNTZ
 PRISCILLA FORD STUDLEY
 GERTRUDE STURM

HELEN LEE SWORMSTEDT
 JULIANNA RANDOLPH TATUM
 DORIS THAYER
 MARIE THIBAUDEAU
 MARGARET GERTRUDE THOMAS
 HELEN JOSEPHINE TIEL
 KATHARINE STANBERY TIMBERMAN
 BARBARA TOMPKINS
 ELEANOR MITCHELL TOWNE
 CONSTANCE SOUTHARD VEYSEY
 REBECCA NEWELL VINCENT
 JOSELLA MARGUERITE VOGELIUS
 HARRIET VOSE
 LAURA MAY VOSSLER
 MARY FLORENCE WALLACE
 KATHERINE GOULD WALTON
 RUTH WANDLESS
 DORIS WARDNER
 KATHERINE MORGAN WARDWELL
 MARY HAWES WARDWELL
 GLADYS HILDEGARDE WATKINS
 MARGARET WATSON
 CONSTANCE WELD
 ESTHER MURIEL WELLS
 ETHEL MARIE WELLS
 SARAH MEREDITH WENSELL
 FLORENCE WEST
 MARION ESTELLE WEST
 RUTH WETZEL
 ALICE WHARTON
 CAROLINE WHITING
 HELEN FRANCIS WHITING
 ISABEL WHITING
 BESSIE EVELYN WHITMARSH
 MARION WILEY
 DOROTHY CURTIS WILKEY
 LILLIAN FRANCES WILSON
 MAURINE CLEVIDENCE WINGERT
 HELEN ANNETTE WINSHIP
 MARION SCOTT WINSTEAD
 SALLY CALKINS WOOD
 MARY JANE WOODFILL
 MARION WRIGHT
 ALICE ZEPFLER

CERTIFICATES IN HYGIENE AWARDED IN 1918

GLADYS HELEN ANGEL
 DOROTHY GRAY BALDWIN
 ELEANOR ESTÉE BARTLETT
 AGNES BRYANT
 ALICE MARTIN BURDETT
 MILDRED HALLOCK CAMPBELL
 MARIE LOUISE CARNES
 JULIA SARGENT DAVIES
 NELLITA ELIZABETH DETWILER
 IRENE MARTIN DOLBY
 RUTH MILDRED DOWLING
 RUTH ENTZ
 MILDRED LUCY FRANCIS
 KATHARINE COWLEY GAWNE
 ELLEN VAN VALZAH HAYES
 KATHARINE HOWE
 CYNTHIA JENKYNS LASH

DOROTHY LOUISE LOKER
 MILDRED AGNES McCARTHY
 FRANCES CAMPBELL McINNIS
 EMMA MCKERNON
 HELEN MAY MACKINNON
 ELIZABETH PENNOCK MARIS
 JANET NEWTON
 MARJORIE HELEN PIPER
 ELOUISE ANNE RUMNEY
 ELEANOR EMMA SAUER
 KATHARINE SIAS
 CLARE HEBARD SMALL
 GLADYS SMILEY
 ESTHER BARBARA SUTCLIFFE
 RUTH WATERMAN
 ISABEL STODDARD WILLIAMS
 RUTH KIGER YANT

HONOR SCHOLARSHIPS

Honor Scholarships (without stipend) have been established by the College for the purpose of giving recognition to a high degree of excellence in academic work. These honors fall into two classes: students in the first, or higher class, are termed Durant Scholars; students in the second class are termed Wellesley College Scholars.

These honors are awarded to seniors on the basis of two and one-half years' work, to juniors on the basis of one and one-half years' work. The standard in each case is absolute, not competitive.

DURANT SCHOLARS

APPOINTED IN 1918

RUTH MARGERY ADDOMS, '18	EDNA MARION HOLLIDAY, '19
RUTH PEABODY ALTMAN, '18	EVELYN HOLT, '19
EMMA KATHARINE ANDERSON, '19	EDNA HOLTORF, '19
HELEN ROBBINS ANDREW, '19	ALNAH JAMES, '18
MARGUERITE ATTERBURY, '18	NORMA JOSEPHSON, '18
EDITH AUGUSTA BAGLEY, '19	HESTER STEVENS LEWIS, '18
ELIZABETH LUCY BARBOUR, '19	MILDRED PRINCE LITTLE, '18
ISABEL DEMING BASSETT, '18	CONSTANCE MARY LOFTUS, '19
MARION BELL, '19	SUSAN MARCH LOWELL, '19
CAROLINE ELSA BERGHEIM, '18	HELEN LE FÈVRE LYON, '18
LUCY BRADFORD BESSE, '18	MARY MARGUERITE MARTIN, '19
HELEN MARY BISHOP, '19	BESSIE MEAD, '18
ELEANOR DICKINSON BLODGETT, '19	HELEN MERRELL, '19
PRUDENCE BOSTWICK, '19	DOROTHY GERTRUDE MILLER, '18
MARGUERITE AMELIA MAY BRENIZER, '19	SARAH MORRISON, '19
HELEN VIRGINIA BROE, '18	ANNA WALLACE NOCK, '18
RUTH FRANCES BROOKS, '19	DOROTHY ONTHANK, '18
LUCINTHIA BUTLER, '18	ANNA FRANCES PATON, '18
ANNA LOUISE MARGARET CARLIN, '18	FRANCES HOWARD PETTEE, '18
MARY ELIZABETH CHINN, '18	EDITH ESTELLE PICKARD, '19
KATHARINE COCHRAN COAN, '18	LIDORRA HOLT PUTNEY, '18
MURIEL COE, '19	ADELE MARY RUMPF, '19
RUTH STEVENS COLEMAN, '19	MARGARET ROSEMAN SCHERER, '19
DOROTHY ELIZABETH COLVILLE, '19	MIRIAM ROSSITER SMALL, '19
SARAH SAVILLA DEITRICK, '18	HELEN SNOW, '18
ANGIE VIRGINIA EAMES, '18	JEAN CHIRON SNYDER, '18
MARY JETTE EDWARDS, '18	MARY BURCHARD SPAHR, '18
DOROTHY DEANE FARIS, '19	THERESA WEISS STRAUSS, '19
CHARLENE DORIS FIEBEGER, '19	EMILY LOIS TRIMMER, '19
ELIZABETH FRANCES FREEMAN, '19	HARRIET VOSE, '18
FLORENCE EMILY GOODRICH, '19	KATHERINE GRANT VOSE, '19
DOROTHY GRAFLY, '18	MARION HORTON WALLACE, '19
GERTRUDE MARTHA GREENE, '18	MARY FLORENCE WALLACE, '18
RUTH HELEN HARDING, '18	GLADYS HILDEGARDE WATKINS, '18
VERA CARRIE HEMENWAY, '19	DOROTHY WEINSCHENCK, '19
AMELIA HENDERSON, '19	ETHEL MARIE WELLS, '18
MARIE HENZE, '18	IRENE HARRIET WILSON, '19
MARY ALICE HILDRETH, '18	MARION SCOTT WINSTEAD, '18
HELEN BARBARA HOCKENBERRY, '19	SALLY CALKINS WOOD, '18

WELLESLEY COLLEGE SCHOLARS

APPOINTED IN 1918

HESTER LENORE ANDERSON, '19
 ALICE HALL ARMSTRONG, '19
 LILLIAN MARGUERITE BARR, '18
 MARJORIE BEACH, '18
 HELEN DEARBORN BEAN, '18
 MARY VIRGINIA BISHOFF, '18
 VIOLA PAULINE BLACKBURN, '18
 EDITH BOYD, '18
 GERTRUDE CONWAY BOYD, '18
 CHRISTINE SMILLIE BREINGAN, '19
 MARGARET ELLIS BROWN, '19
 RAE MARGUERITE BROWN, '18
 DOROTHY FARRAR BUCK, '18
 BLANCHE THORNBURG CAMERON, '18
 KATHARINE BIDDLE CARTER, '19
 MARGARET ELIZABETH COOMBS, '19
 MARY WINDSOR CRANE, '19
 LOUISE CROSS, '18
 EVELYN MABEL DANA, '18
 DOROTHY ADELAIDE DIBBLE, '18
 HELEN LOUISE EDWARDS, '18
 HELEN PORTER FARRELL, '18
 ADELA FRANCES FITTS, '18
 MARION CHASE FRENEYAR, '18
 FLORENCE MABEL GIFFORD, '18
 MARGARET MAUD GOLDSCHMIDT, '18
 DOROTHY SOMERVILLE GREENE, '18
 ALVA BJÖRKMAN HAMMARSKÖLD, '19
 MARJORIE BANKS HAMMOND, '18
 DOROTHEA HAZZARD, '19
 HELEN SHAFFER HERSHHEY, '18
 RUBY HILLMAN, '18
 KATHRYN LOUISE HINRICH, '19
 MARY ESTHER HOLLAND, '19
 PAULINE HOLLEY, '18
 MARGARET MARION HORTON, '19
 HELEN HOWE, '18
 MARGARET HELEN HOYT, '19
 MARION INGERSOLL, '19
 ISABEL STEWART IRELAND, '19
 JOSEPHINE POE JANUARY, '19
 ESTHER EVELYN JOHNSON, '18
 ESTHER THERESA JOHNSON, '19
 RUTH ELIZABETH KELLY, '19

NANCY MARGARET KUGLER, '18
 AGNES ADELE LANGE, '18
 RUTH LOUISE LANGE, '18
 FLORENCE ISABEL Langley, '19
 JEAN LEES, '19
 ETHELEEN MAUDE LESURE, '18
 HELEN MABEL LUMSDEN, '19
 ELIZABETH ECKBERT LUPFER, '18
 MIRIAM GRAHAM McCCLAIN, '19
 RUTH LILLIAN McCLELLAND, '19
 HENRIETTA MACKENZIE, '18
 MARIE MORRISON MCKINNEY, '18
 MARGARET MCNAUGHTON, '18
 MARY VIRGINIA MARTIN, '19
 JANE WEBSTER MATHEWS, '19
 KATHARINE MOLLER, '18
 KATHLEEN MURPHY, '19
 EVELYN NAY, '18
 CHARLOTTE MARTIN PENFIELD, '18
 MARGARET PIERSON, '18
 MARGARET LOUISE POST, '19
 MARY ELEANOR PRENTISS, '19
 MARY BEATRICE PUTNEY, '19
 FANNIE COOLBAUGH RANE, '18
 ELLEN LUCRETIA RICHARDSON, '19
 DOROTHY MAE ROBATEAN, '19
 GRACE ROBERTS, '18
 MARY ALETTHA ROBINSON, '18
 ROSE JEANNETTE SCHWENGER, '19
 MARJORIE INGRAHAM SCUDDER, '19
 RUTH SHAW, '19
 ELISABETH MINETTE SKINNER, '18
 HELEN LEE SWORMSTEDT, '18
 MARY RITA TORPEY, '19
 ELISABETH STERNBERG TRAUT, '19
 REBECCA NEWELL VINCENT, '18
 JOSELLA MARGUERITE VOGELIUS, '18
 RUTH WANDLESS, '18
 KATHERINE MORGAN WARDWELL, '18
 SARAH MEREDITH WENSELL, '18
 ELEANOR WHITE, '19
 HELEN FRANCIS WHITING, '18
 ESTHER LOCKE WORDEN, '19

SUMMARY OF STUDENTS

Resident candidates for the M.A. degree	17
Candidates for the B.A. degree:—	
Seniors	308
Juniors	366
Sophomores	375
Freshmen	492
	— 1,541
Non-candidates for degrees	36
Total registration, November, 1918	1,594

United States:—

Alabama	6	New Hampshire	37
Arkansas	3	New Jersey	154
California	13	New Mexico	1
Colorado	11	New York	236
Connecticut	71	North Carolina	5
Delaware	1	Ohio	78
District of Columbia	21	Oklahoma	4
Florida	3	Oregon	6
Georgia	8	Pennsylvania	174
Hawaii	4	Rhode Island	28
Idaho	8	South Carolina	7
Illinois	77	South Dakota	2
Indiana	19	Tennessee	6
Iowa	18	Texas	20
Kansas	8	Utah	3
Kentucky	10	Vermont	17
Louisiana	2	Virginia	7
Maine	46	Washington	8
Maryland	13	West Virginia	5
Massachusetts	327	Wisconsin	19
Michigan	36	Wyoming	1
Minnesota	18	Canada	2
Mississippi	1	China	6
Missouri	25	France	3
Montana	4	Japan	1
Nebraska	10	Spain	1

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